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A list of common tropical plant diseases

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COMMONWEALTH MYCOLOGICAL INSTITUTE
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A LIST OF COMMON TROPICAL PLANT DISEASES.

The standardization of the names of diseases and the causal organisms is obviously desirable in order to avoid confusion. For temperate crops the publication of the 'List of Common British plant diseases' by the British Mycological Society has done much to bring uniformity in the usage of both common and Latin names in Britain, but no such list exists for the tropical crops. The difficulties encountered in the preparation of the British list, dealing with comparatively well-known pathogens, are intensified in the task of compiling a list for the tropical countries but the need for such a list has long been felt at the Imperial Mycological Institute, particularly in connexion with the editing of the Review of Applied Mycology.

Dr Bisby, who was convener of the Sub-committee responsible for the latest edition of the British list, undertook the compilation of the list in the first instance, while the abstracting staff have assisted in supplying the foreign equivalents of the common names. The form of the list differs from the British list in that the synonymy of the causal organism, together with the correct author citation and place of publication of the binomial for the pathogen are given. This was thought to be desirable in view of the fact that the names of tropical pathogens are on the whole less well established. The draft as it now stands is a tentative one, and issued for the benefit of comments and criticisms of overseas workers. It is proposed to submit this provisional list to the Fourth Imperial Mycological Conference, 1948, for consideration. No doubt revision of the names here given will have to be made in the light of further work, but notification of any change with the reasons for making it will require to be made. Changes in nomenclature on unsubstantial grounds should not be accepted and the existence of a standard list will do much to prevent such changes being taken up.

The aim has been to include the more important fungal and bacterial diseases of plants of greater economic importance in warm countries. Pathogens (such as Corticium salmonicolor, C.solani, Rosellinia spp.) of many hosts are entered but a few times, though such fungi should be listed wherever a distinct common name is involved.

Foreign common names are given when possible. A few general names, not repeated under each host, are as follows:

Rust. roest (Dut.), rouille (Fr.), ruggine (It.), ferrugem (Port.), roya (Sp.), ржавчина (Russ.)
Smut. brand (Dut.), charbon (Fr.), carbone (It.), carvão (Port.), carbón (Sp.), головня (Russ.)

Downy Mildew. valsche meeldauw (Dut.), mildiou Peronospora (Fr.), muffe Peronospor (It.), mildio (Port.), "mildew" (Sp.), мильдью, ложно-мучнистая роса (R
Mildew. meeldauw (wit) (Dut.), oidium blanc (Fr.), nebbia, oidio (It.), oidio (Port.), oidio or blanco (Sp.), мучнистая роса (Russ.)
Anthracnose. anthracnose (Dut.), anthracnose (Fr.), antracnosi (It.), antracno (Port.), antracnosis (Sp.), антракноз (Russ.)
Red Root Rot. roode wortelschimmel (Dut.), pourriture rouge des racines (Fr.), podridão vermelha das raizes (Port.), podredumbre roya de les raices (Sp.)

Most of the scientific and common names of the hosts are taken from H.C. Sampson's "Cultivated crop plants of the British Empire and the Anglo-Egyptian Sudan (tropical and sub-tropical)" Kew Bull. Addit. Ser., xii, 1935. Common names are here capitalized merely to help set them out.

Finally, emphasis must be laid on the tentative nature of this list. It does not pretend to do more than compile the names which seem most appropriate to adopt at the present time. With the general advance of knowledge in the classification of fungi, the Latin names of the pathogens will no doubt require revision. Critical taxonomic studies of fungus pathogens are required in many instances before the scientific name can be regarded as properly established. The compilation of this list should serve, however, to bring out the fungi needing study and in due course it is hoped that a more or less agreed and stable nomenclature will be achieved for the names of the major pathogens.

December, 1947. S.P. Wiltshire.

ACACIA spp.

Rusts

(1) Haplophragmium ponderosum Syd. & Butler in Ann. mycol., Berl., x, p.265, 1912.

(2) Poliotelium hyalosporum (Saw.) Maine in Bull. Torrey bot. Cl., lxvi p 175 1939

Uromyces hyalosporus Saw. in Bot. Mag., Tokyo, xxvii, p.19, 1913

Maravalia hyalospora (Saw.) Diet in Ann mycol., Berl., xxii, p.270 1924

(3) Uromycladium tepperianum (Sacc.) McAlp. in Ann. mycol., Berl, iii, p.310, 1905

Uromyces tepperianus Sacc. in Hedwigia. xxviii, p.126, 1889.

ALBIZZIA spp. (shade trees in plantation crops).

Leaf Disease

Ceratophorum albizziae Petch in Ann. R. bot. Gdn., Peradeniya, vi, p.248, 1917.

Wilt

Fusarium perniciosum Hepting in Circ. U.S. Dept. Agric. 535, p.7, 1939

Called F. oxysporum f. perniciosum (Hepting) Snyder in Lilloa Rev. Bot. Tucuman, ix, p.457, 1943. (R.A.M., xxiii, p.417, 1944)

Red Root Rot

Ganoderma pseudoferreum (Wakef.) van Overeem & Steinm., see Rubber.

ALEURITES spp. (Tung, Candlenut, etc.)

Root Rot

Clitocybe tabescens (Scop. ex Fr.) Bres., Fungi Tridentini, ii, p 84 1900.

Agaricus tabescens Scop. ex Fr., Hymenomycetes Europaei, p.111, 1874

Armillaria mellea (Fr.) Quel. var. tabescens (Fr.) Rea, British Basidiomycetes p.110, 1922.

Other synonymy is given by Konrad & Manblanc, Icones selecta Fungorum, iii p. 281, 1934.

ALEURITES (cont.)

Thread Blight

Corticium koleroga (Cooke) Hohnel, in SB Akad. Wiss. Wien., cxix, p.395, 1910.

Pellicularia koleroga Cooke in Grevillea, iv, p.116, 187[illegible] 1876

Erysiphe scandens Ernst, Estudios sobre las deformaciones del arbol de Cafe en Venezuela, p.16, 1878, fide Rogers, Farlowia i, p.112, 1943 (q.v. for other synonyms).

Corticium stevensii Burt in Ann. Mo. bot. Gdn., v, p.125, 191[illegible] 1918 fide Rogers, loc. cit.

Leaf Spot

Mycosphaerella aleuritidis (Miyake) Cu or, as some prefer simply [illegible]Cu in Sinensia, xi p.183, 1940.

Stat. conid. Cercospora aleuritidis Miyake in Bot. Mag., Tokyo, xxvi, p.66, 1912.

Cercosporina aleuritidis (Miyake) Sacc., Syll. Fung., xxv p. 902, 1931.

Bacterial Leaf Spot

Pseudomonas aleuritidis (McCulloch & Demaree) Stapp in Bot. Rev., i, p. 408, 1935.

Bacterium aleuritidis McCulloch & Demaree in J.agric. Res. xlv, p.346, 1932.

Phytomonas aleuritidis (McCulloch & Demaree) Magrou in Hauduroy et al. Dictionnaire des Bacteries pathogenes, p. 328, 1937.

ALLSPICE, see Pimento (Appendix).

ANNATTO (ARNATTO), see Appendix.

ARECA PALM (Areca catechu L.)

Thread Blight.

Corticium koleroga (Cooke) Hohnel, see Aleurites.

Ganoderma Rot

Ganoderma lucidum (Fr.) Karst. in Rev. mycol., iii, p.17, 1881.

Polyporus lucidus Fr., Syst. Mycol., i, p.353, 1821.

ARECA PALM (Areca Catechu L) cont.

Koleroga Disease.

Phytophthora arecae (Colem) Pethybr in Sci Proc. R. Soc. Dublin, N.S., xiii, p. 259, 1913.

P. omnivora de Bary var arecae Colem. in Bull. Dep Agric Mysore, Mycol. Ser., 2, p.84, 1910.

Polyporus ostreiformis Berk. in J Linn. Soc. Lond., Bot., xvi, p.46, 1877.

ARROWROOT, see Appendix

AUBERGINE, see Eggplant.

AVOCADO (Avocado Pear) (Persea americana) Mill., syn. P.gratissima Gaertn.)

Anthracnose

Glomerella cingulata (Colletotrichum gloesporioides), see Coffee, Citrus.

Canker

Physalospora perseae Doidge in Bothalia, i, p.182, 1922.

Melanops perseae (Doidge) Petrak in Ann. mycol., Berl., xxxii, p.400, 1934.

Root Rot

Rosellinia bunodes (Berk. & Br.) Sacc., see Cacao

Scab

Sphaceloma perseae Jenkins in Phytopathology, xxiv, p.84, 1934.

BAMBOO, see Appendix.

BANANA (Musa cavendishii Lamb and M.sapientum L.)

Botryodiplodia Fruit Rot (and other Rots)

Botryodiplodia theobromae Pat., see Cacao

Bonnygate Disease (formerly sometimes called "Wilt")

Calostilbe striispora (Ell & Everh.) Seaver in Mycologia, xx, p.248, 1928.

Nectria striispora Ell & Everh. apud C.L. Smith in Bull. Labs. nat. Hist. Univ. I, ii, p.398, 1893.

Macbridella striispora (Ell. & Everh.) Seaver in Mycologia, i, p.196, 1909.

BANANA (cont.)

Sphaerostilbe longiascus Moller - Phyc Asco Brasilien, p.122, 1901, fide Seaver, Mycologia, xx, p. 55, 1928.

Calostilbe longiascus (Moller) Sacc & Syd. in Syll. Fung., xvi, p.591, 1902.

Sphaerostilbe musarum Ashby in Bull Dep Agric. Jamaica, N.S., 2, p.112, 1913, fide Seaver, Mycologia, xx, p.55, 1928

Stat. conid. Calostilbella calostilbe Hohnel in Zbl. Bakt., Abt. 2, lx, p.11, 1923. (This name seldom needs mention)

Leaf Blotch (Cordana Leaf Spot)

Cordana musae (Zimm.) Hohnel in Zbl. Bakt, Abt. 2, lx, p.7, 1923.

Scolecotrichum musae Zimm. in Zbl. Bakt, Abt. 2, viii, p.220, 1902.

Panama Disease (Wilt)

Vaatbundelziekte der Bananen (Dut.): maladie de panama (Fr.).

Fusarium oxysporum Fr. f. cubense (E.F.Sm.) Snyder & Hansen in Amer. J. Bot., xxvii, p.66, 1940.

F cubense E.F.Sm. in Science, N.S., xxxi, p.755, 1910.

F.oxysporum Fr var. cubense (E.F Sm.) Wollenw. & Reink.,Die Fusarien, p.119, 1935.

Ustilaginoidella musiperda Essed in Ann. Bot. Lond., xxv, p.351, 1911, fide Brandes, Phytopathology, ix, p.374, 1919.

Leptospora musae Drost in Bull. Dep. Landb. Suriname, 26, 1912, fide Brandes, loc. cit.

Fusarium cubense E.F. Sm. var inodoratum Brandes in Phytopathology, ix, p.374, 1919, fide Wollenw. & Reink Die Fusarien, p.119, 1935.

F oxysporum Fr f 3 and f 4 in Z Parasitenk iii, p 419, 1931, fide Wollenw. & Reink, loc. cit.

Anthracnose (Gloeosporium Fruit Rot; Black Rot: and Main Stalk Rot)

Gloeosporium musarum Cooke & Massee in Grevillea, xvi, p.3, 1887.

A perfect state is occasionally found; this is considered to be Glomerella cingulata (Stonem.) Spauld. & Schrenk - (see Coffee).

BANANA (cont.)

Black Tip

Maladie du bout noir (Fr.)

Helminthosporium torulosum (Syd.) Ashby in Mason Annotated Acct, List II, Fasc. 1 / Mycol. Pap.2 / p.35, 1928.

Brachysporium torulosum Syd. in Hedwigia, xlix, p.83, 1909.

Cercospora musarum Ashby in Bull. Dep. Agric. Jamaica, N.S., 2, p. 111, 1913, fide Ashby in Mason, loc. cit.

Freckle (Black Spot, Leaf Spot)

Macrophoma musarum (Cooke) Berl. & Vogl. (as M musae) in Atti Accad. Sci Ven. - trent - istr , x, p.187 (p.19 of reprint), 1886.

? Sphaeropsis musarum Cooke in Grevillea, viii, p.93, 1880.

Phoma musarum (Cooke) Sacc (as P musae), Syll. Fung., iii, p.162, 1884.

Dothidea musae Klotzech in Linnaea, viii, p.489, 1833, fide Theissen & Sydow, Ann mycol., Berl., xiii, p.570, 1915.

Phyllachora musae (Kl) Sacc , Syll. Fung , ii, p.613, 188

Phoma musae Carpenter in Rep. Hawaii agric. Exp. Sta., 1918, p. 39, 1919, fide Reinking, Mycologia, xviii, p.186, 1926.

This fungus has been called Macrophoma musae, but Cooke's epithet is musarum.

Marasmius Stem and Root Rot

Marasmius stenophyllus Mont. in Ann. Sci. nat., Bot., Ser. 4, i, p.11 1854.

M. semiustus Berk. & Curt. in J. Linn. Socc. Lond., Bot, x, p.29 1868, fide Murrill, N.Amer. Flora, ix, p.262, 1915.

Leaf Spot (Cercospora Leaf Spot, Sigatoka Disease)

Cercospora bladziekte (Dut.) maladie de Sigatoka (Fr.)

Mycosphaerella musicola R. Leach in Trop. Agriculture, Trin., xviii, p.92, 1941.

Stat. conid Cercospora musae Zimm in Zbl. Bakt., Abt. 2, viii, p.219, 1902.

C. musae Massee in Kew Bull., 1914, p.159, 1914, is a later homonym.

BANANA (cont.)

Squirter Disease

Nigrospora sphaerica (Sacc.) Mason in Trans. Brit. mycol. Soc., xii, p.158, 1917.

Trichosporium sphaericum Sacc. in Michelia, ii, p.579, 1882

Nigrospora musae Delacroix & Boerte in Bull. Soc. sci. industr. Lyon. Lust. 75, p.15, 1933, is presumably a synonym. As Nigrospora has but one species (as suggested by the work of Stanford, 1933, and Snyder, 1943) its name is N. oryzae (Berk. and Br.) Petch.

Cigar-end

Stachylidium theobromae Turconi in Atti Ist. bot. Univ. Pavia, xvii, p.7, 1920.

Bacterial Wilt Disease (Moko Disease) Maladie a wilt bacterien (Fr.)

Xanthomonas solanacearum (E.F.Sm.) in Trans. Brit. mycol. Soc., xxvi, p.12, 1943.

Bacillus solanacearum E.F.Sm. in Bull. U.S.Dep. Agric. 12, p.10, 1896.

Bacterium solanacearum (E.F.Sm.) E.F.Sm., Bacteria in relation to to Plant Diseases, iii, p.178, 1914.

Pseudomonas solanacearum (E.F.Sm.) E.F. Sm., ibid., p.178, 1914.

Phytomonas solanacearum (E.F.Sm.) Bergey et al, Manual, Ed. 1, p. 186, 1923.

Bacillus musae Rorer in Phytopathology i, p.--, 1911, fide Miss Elliott, Manual of Bacterial Plant pathogens, p.209, 1930.
Bacillus musarum Zeman in Rev. Fac. Fac. Agron. La Plata, xiv, p.17, 1921 fide Miss Elliott, loc. cit.

Phytomonas ricini Archibald in Trop. Agriculture, Trin., iv, p.124, 1927, fide Miss Elliott, loc. cit.

For other probable synonyms, see under Tobacco.

BEAN, BINGAL, see Appendix.

BEAN, LIMA (Phaseolus lunatus L. or var. macro-carpus)

Leaf Spot

(1) Cercospora canescens Ell. & Martin in Amer. Nat., xvi, p.1003, 1

(2) Cercospora cruenta Sacc., see Cowpea.

Scab.

Elsinoe phaseoli Jenkins apud Bruner & Jenkins in J. Agric. Res., xlvii, p.788, 1933.

Downy Mildew

Peronospora dei fagioli di Lima (It.) Phytophthora phaseoli Thaxt. in Bot. Gaz., xiv, p.274, 1889.

Bacterial Leaf Spot

Xanthomonas phaseoli (E.F.Sm.) Dowson in Zbl. Bakt., Abt. II, p.190, 1939.

Bacillus phaseoli E.F.Sm., in Bot. Gaz., xxiv, p.148, 189

Pseudomonas phaseoli (E.F.Sm.) E.F. Sm. in Bull. U.S. Dep. Agric. 28, p.i, 1901.

Bacterium phaseoli (E.F.Sm.) E.F. Sm., Bacteria in relati to Plant Diseases, i, p.72, 1905.

Phytomonas phaseoli (E.F.Sm.) Bergey et al., Manual, Ed. 1, p.177, 1923.

BLACK GRAM, see Appendix

BRAZIL NUT (Bertholletia excelsa Humb. & Bonpl.)

The only diseases of importance noted are several decays of the seeds in transport or storage, including:

(1) Aspergillus flavus Link ex Fr., Syst. Mycol., iii, p.[illegible], 1[illegible], and A. spp.

(2) Diplodia natalensis Pole Evans, see under Citrus.

Pelionella macrospora Spencer in Bot. Gaz., lxxii, p.[illegible], 1[illegible] fide Pitancourt, Biologico, vii, p.[illegible], 1[illegible].

BREAD FRUIT see Appendix.

BRINJAL see Eggplant

CACAO (Theobroma cacao L.)

Collar Crack (Armillaria Root Rot)

Armillaria mellea (Fr.) Quel, see under Citrus

Brown Pod Rot (Die-back)

Botryodiplodia theobromae Pat. in Bull. Soc. mycol. Fr., viii, p.136, 1892.

Lasiodiplodia theobromae (Pat.) Griff. & Maubl. in Bull. Soc. mycol. Fr., xxv, p.57, 1909.

Diplodia theobromae (Pat.) Nowell, Diseases of Crop Plants in the Lesser Antilles, p.160, 1923.

Macrophoma vestita Prill. & Del. in Bull. Soc. mycol. Fr., x, p.165, 1894, fide Griffon & Maublanc, loc. cit.

Diplodia cacaoicola P.Henn in Engl. bot. Jb. xxii, p.80, 1895, fide Griff. & Maubl.

Lasiodiplodia nigra Appel & Laub. in Arb. biol. Anst. (Reichsanst.) Berl., v, p.147, 1905, fide Griffon & Maublanc, loc. cit.

Chaetodiplodia grisea Petch in Ann. R. bot. Gdns, Peradeniya, iii, p.6, 1906, fide Nowell, loc. cit.

Botryodiplodia elasticae Petch in Ann. R. bot. Gdns. Peradeniya, iii, p.7, 1906, fide Nowell, loc. cit.

Diplodia racax Massee in Kew Bull, 1910, p.3, 1910, fide Nowell, loc. cit.

Diplodia natalensis Pole Evans, in Sci. Bull. Trans. Dep. Agric., 4, p.15, 1910, is probably one of many other synonyms, and the perfect state may be Physalospora rhodina (Berk & Curt.) Cooke in Grevillea, xvii, p.208, 1889, fide Stevens in Mycologia, xviii, p.208, 1926.

Pink Disease.

Djamoer oepas (Dut. E. Indies)
Corticium salmonicolor Berk. & Br., see Coffee.

Brown Root Disease.

Bruine wortelschimmel (Dut.)
Fomes noxius Corner in Gdns. Bull., v, p.342, 1932.
Formerly attributed erroneously to Fomes lamaensis (Murr.) Sacc. & Trott. Syll. Fung. xxi, p.287, 1912; see under Rubber.

Witches' Broom Disease

krullotenziekte (Dut. E. Ind.); Balais de sorciere (Fr.); bruxa da vassoura (Port.).

Marasmius perniciosus Stahel in Bull. Dep. Landb. Suriname 33, p.11, 1915.

Crinipellis perniciosa (Stahel) Singer in Lilloa, Rev.Bot. Tucuman, viii, p.503, 1943.

Monilia Pod Rot. (Watery Disease) Quevedo, Mancha, (Sp.).

Monilia roreri Cif. apud Cif. & Parodi in Phytopath. Z., vi, p.542, 1933.

Black Pod Rot and Canker (Chupon Wilt)

Stamkanker, Bruinrot (Dut.); chancre (Fr.)

Phytophthora palmivora (Butler) Butler, see under Coconut

Rosellinia Root Diseases

(1) Rosellinia bunodes (Berk. & Br.) Sacc., Syll. Fung., i, p.254, 188

Sphaeria bunodes Berk. & Br. in J.Linn. Soc. Lond., Bot., xiv, p.125, 1875.

(2) R.pepo Pat. in Bull. Soc. mycol. Fr., xxiv, p.9, 1908.

(3) R.paraguayensis Starb. in Ark. Bot., ii, p.15, 1904.

Mealy Pod.

Trachysphaeria fructigema Tabor & Bunting in Ann. Bot., Lond., xxxvii p.156, 1923.

CAMPHOR, see Appendix.

CANDLENUT, see Aleurites.

CASHEW NUT, see Appendix.

CASSAVA, Tapioca (Manihot utilissima Pohl.)

Leaf Spot

(1) Cercospora caribea Cif. apud Muller & Chupp in Arg. Inst. Biol. veg., i, p.215, 1935.

Ragnhildiana manihotis Stev. & Solh. in Mycologia, xxiii, p.404, 1931, non Cercospora manihotis P.Henn.

(2) Cercospora henningsii Allesch. in Engler, Die Pflanzenwelt Ost-Afrikas und der Nachbarge biete, Teil C, p.35, 1895.

C. cassava Ell. & Everh. in Bull. Torrey bot. Cl., xxii, p.438, 1895, fide Viegas in Bragantia, S Paulo, i, p.237, 1941.

C. manihotis P.Henn. in Hedwigia, xli, Beibl. p. 18, 1902, fide Viegas, loc. cit.

Septogloeum manihotis Zimm. in Zbl Bakt , Abt. 2, viii, p.218, 1902, fide Viegas, loc. cit.

Cercospora cearae Petch in Ann. R. bot Gdns Peradeniya, iii, p.8, 1906, fide Viegas, loc. cit.

Helminthosporium manihotis Rangel in Arg Jard. bot Rio de J , ii, p.71, 1917, fide Viegas, loc. cit.

H hispaniolae Cif in Ann mycol , Berl., xxix, p 291, 1931, fide Viegas, loc. cit.

The perfect state may be Mycosphaerella manihotis Syd. in Bull. Herb. Boiss., 1901, p.78, (Sphaerella manihotis (Syd.) Sacc. & Syd., Syll. Fung., xvi, p.472, 1902) see Rev. appl. mycol , xii, p.137, 1933.

CASTOR (Ricinus communis L.)

Rust

Melampsorella ricini (Biv. -Bern.) de Toni in Sacc., Syll. Fung., vii, p.596, 1888.

Uredo ricini Biv. -Bern., Stirpium rariorum Manipulus, iii, p.10, 1815.

Melampsora recini (Biv. -Bern.) Pass. in Erb. Critt. Ital., Ser. 2, Fasc. xiv, No. 684, 1878.

Phytophthora Rot

Phytophthora parasitica Dastur, see under Citrus.

Grey Mould

Sclerotinia ricini Godfrey in Phytopathology, ix, p 565, 1919

Bacterial Wilt

Xanthomonas solanacearum (E.F. Sm) E.F. Sm , see under Banana

CAYENNE PEPPER, see Chilli.

CHICK PEA, GRAM (Cicer arietinum L.)

Blight.

Anthracnose (Fr.); rabbia (It.).

Ascochyta rabiei (Pass.) Labrousse in Rev. Path. veg. Ent. agric., xviii, p.228, 1931.

Zythia rabiei Pass. in Hedwigia, vi, p.112, 1867.

Phyllosticta rabiei (Pass.) Trotter in Riv. Pat veg. Roma, N.S., ix, p.112, 1918.
R Sprague, Phytopathology, xxii, p.786, 1932, considers that P.rabi is the name to use.

Phyllosticta cicerina Prill. & Delacr in Bull. Soc. mycol. Fr., ix, p.273, 1893, fide Trotter, loc. cit.

A perfect state, Mycosphaerella rabiei Kovachevsky (technically a nomen nudum, since no Latin diagnosis is given) is described: see Rev. appl. mycol., xv, p.700, 1936

CHICK PEA, GRAM (Cicer arietinum L.)

Rust

Uromyces ciceris-arietini (Grogn.) Jacz. &G Boyer in Ann. Ec. Agric. Montpellier, 1894, p.19, 1894.

Uredo ciceris-arietini Grognot, Plantes cryptogames cellulaires du department de Saone-et-Loire..., p.157, 1863.

CHILLI, RED PEPPER (Cayenne Pepper, Pimento Pepper) (Capsicum annuum L.)

Cercospora Leaf Spot

Mancha de la Noja (Sp.)

Cercospora capsici Heald & Wolf in Mycologia, iii, p.15, 1911.

Cladosporium Leaf Spot.

Cladosporium capsici Kovachevsky in Z. Pflanzenkr., xlviii, p.335, 1938. (as C capsici (Marchal & Steyart)n. comb., but Art. 69 of the Rules specifies that a transfer" based on a later homonym is to be considered a nom. nov.)

Cercospora capsici March. & Stey. in Bull Soc. roy. Bot. Belg., lxi, p.167, 1929, non C capsici Heald & Wolf & 1911

Cercospora capsici Unamuno in Bull Soc. esp. Hist. nat, xxxi p.165, 1932, fide Kovachevsky, loc. cit.

Die-back, Ripe Rot

Colletotrichum capsici (Syd.) Butler & Bisby The fungi of India, p.152, 1931.

Vermicularia capsici Syd. in Ann. mycol., Berl., xi, p.329, 1913.

Anthracnose, Ripe Rot.

Glomerella cingulata (Stonem.) Spauld & Schrenk, see under Coffee.

Anthracnose of Chilli is often attributed to the following which some workers consider to be imperfect states of G.cingulata:

(1) Gloeosporium piperatum Ell. & Everh. apud Halst. in Rep. N.J. agric. Exp. Sta., xi, p.356, 1890. A perfect state attributed to this species is Glomerella piperata (Stonem.) Spauld. & Schfenk.

(2) Colletotrichum nigrum Ell. & Halst. apud Halst., op. cit., p.359, 1890, and in Bull. Torrey bot. Cl., xviii, p.15, Jan. 20, 1890.

Phytophthora Blight.

Phytophthora capsici Leonian in Phytopathology, xii, p.403, 1922.

P. hydrophila Curzi in Riv. Pat. veg., xvii, p.11, 1927, fide Tucker, Res. Bull. Mo. agric. Exp. Sta., 153, p.180, 1931.

Bacterial Spot.

Xanthomonas vesicatoria (Doidge) Dowson in Zbl. Bakt., Abt. 2, c, p.190, 1939.

Bacterium vesicatorium Doidge in (J.Dep.Agr., S.Afr., i, p.716, 1920) Ann. appl. Biol., vii, p.428, Feb., 1921.

Pseudomonas vesicatoria (Doidge) Stapp, Sorauer's Handb. Pflanzenkr., 5 Aufl., ii, p.259, 1928.

Phytomonas vesicatoria (Doidge) Bergey et al., Manual, 3rd. Edn, p.241, 1930.

Bacterium exitiosum Gardn. & Kendr., in J.agric. Res., xxi, p.141, April, 1921, fide Gardner & Kendrick in Phytopathology, xiii, p.307, 1923.

Pseudomonas exitiosa Gardn. & Kendr., in J.agric. Res., xxi, p.141, 1921.

CAYEN.

Phytomonas exitiosa (Gardn. & Kendr.) Bergey et.al, Manual, 1st. Edn., p. 183, 1923.

CINCHONA, see Appendix.

CINNAMON, see Appendix.

CITRUS (Citrus Spp.)

Alternaria Rot.

Alternaria citri Ell. & Pierce apud Pierce in Bot. Gaz., xxxiii, p.234, 1902.

Stemphylium citri Patterson & Charles in Bull.U.S.Dep. Agric., 171, p.14, 1910, is probably a synonym, fide Bliss & Fawcett, Mycologia, xxxvi, p.492, 1944.

Armillaria Root Rot

КОРНЕВАЯ ГНИЛЬ (Russ.)

Armillaria mellea (Fr.) Quel., Champ. Jura Vosg., p.38, 1872.

Agaricus melleus Vahl ex Fr., Syst. Mycol., 2, p.30, 1821.

Anthracnose (Withertip, Blossom Blight

ПЯТНИСТОСТЬ ЛИСТЬЕВ И ВЕТВЕЙ (Russ.); antracnosi dei limoni, (It.)

(1) Colletotrichum gloeosporioides (Penzig) Sacc., Syll. Fung., iii, p.735, 1884.

Vermicularia gloeosporioides

Penzig in Michelia, ii, p.450, 1882. This species, with several probable synonyms, is considered to be an imperfect state of Glomerella cingulata: see Coffee.

(2) Gloeosporium limetticola Clausen (as 'Limetticolum') in Phytopathology, ii, p.231, 1912. Some workers consider this a synonym for No.(1).

Pink Disease (Rubellosis)

Djarmoer oepas (Dut.):maladie de la toile (Fr.).

Corticium salmonicolor Berk. & Br., see under Coffee.

Mal secco

Deuterophoma tracheiphila Petri in Boll. Staz. Pat. veg., Roma, ix, p.396, 1929 (? 1930).

Sweet Orange Fruit Scab

Verrugosis, rŏna, sarna del fruto del naranjo dulce (Sp.).

Elsinoe australis Bitanc. & Jenkins in Mycologia, xxviii, p.491, 1936.

Stat. conid. Sphaceloma australis Bitanc. & Jenkins, loc. cit. S.fawcetti var. viscosa Jenkins in Phytopathology, xxiii, p.543, 1933, is an obligate synonym.

Melanose, Phomopsis Stem- End Rot, Shell Bark (Decorticosis)

Mélanose (Fr.); melanosis (Sp.)

Diaporthe citri (Fawcett em. Wolf) Wolf (or some prefer simply "Wolf") in J. agric. Res., xxxiii, p.625, 1926.

Wehmeyer, The genus Diaporthe, p.102, 1933, places this under D.medusa Nits. and gives a probable synonym D.citrincola Rehm in Leafl. Philipp. Bot., vi, p.2269, 1914.

Stat. conid. Phomopsis citri Fawcett in Phytopathology, ii, p.113, 1912.

Phomopsis californica Fawcett in Phytopathology, xii, p.424, 1922, fide Fawcett, op. cit., xxii, p.928, 1932.

Diplodia Gummosis, Twig Blight and Rot.

Diplodia gomziekte, natte Diplodia (= Gummosis); droge Diplodia (= twig blight) (Dut.)

Diplodia natalensis Pole Evans in Bull. Dep. Agric. Transv., 4, p.15, 1910, See under Botrydiplodia theobromae Pat. on Cacao.

Scab.

ПАРША (Russ.) - Schurf (Dut.): sarna común (Sp.).

Elsinoe fawcetti Bitanc. & Jenkins in Phytopathology, xxvi, p.394, 1926.

Stat. conid. Sphaceloma fawcetti Jenkins in Phytopathology, xv, p.101, 1925.

(Sporotrichum citri Butler apud Doidge & Butler in Trans. Brit. mycol. Soc., x, p.121, 1924, is apparently a nomen confusum.)

CAYEN.

Australian Citrus Scab.

Elsinoe fawcetti Bitanc. & Jenkins var. scabiosa Jenkins in Phytopathology, xxvi, p.195, 1936.

Stat. conid. described as Ramularia scabiosa McAlpine & Tryon, Fungus diseases of Citrus trees in Australia, p.88, 1899.

Macrophomina Root Rot.

Macrophomina phaseoli (Maubl.) Ashby in Trans. Brit. mycol. Soc. xii, p.145, 1927.

Macrophoma phaseoli Maubl. in Bull. Soc. mycol. Fr., xxi, p.90, 1905.

Macrophoma cajani Syd. & Butler in Ann. mycol. Berl., xiv, p.187, 1916, fide Ashby, loc. cit.

Macrophoma corchori Sawada apud Tanaka in Mycologia, xi, p.82, 1919, fide Ashby, loc. cit.

Macrophoma sesami Sawada, descriptive catalogue of Formosan Fungi, ii, p.118, 1922 (in Japanese), fide Ashby, loc. cit.

Macrophomina philippinensis Petrak in Ann. mycol., Berl., xxi, p.314, 1923, fide Ashby, loc. cit.

Dothiorella cajani (Syd. & Butler) Syd. & Butler apud Petrak & Sydow in Ann. mycol., Berl., xxiii, p.227, 1925.

Stat. mycel. Rhizoctonia bataticola (Taub.) Butler apud Briton Jones in Bull. Minist. Agric. Egypt, 49, p.65, 1925, fide Ashby, loc. cit.

Sclerotium bataticola Taub. in Phytopathology, iii, p.164, 1913.

There are doubtless many more synonyms. Rhizoctonia lamellifera Small(see below) is now considered distinct.

Oospora Rot (Sour rot)

Oospora citri-aurantii (Ferraris) Sacc. & Syd., Syll. Fung., xvi, p.1024, 1912.

Oidium citri-aurantii Ferraris in Malpighia, xiii, p.12, 1900.

Green Mould

moho verde (Sp.)

Penicillium digitatum Sacc. emend. Thom, The Penicillia, p.242, 1930.

A white variety is P.digitatum Sacc. var. californicum Thom, The Penicillia, p.245, 1930.

Blue Mould.

moissisure bleue (Fr.); moho azul (Sp.)

Penicillium italicum Wehmer in Hedwigia, xxxiii, p.211, 1894. (Formerly attributed to "P.glaucum.")

Brown-rot Gummosis, Foot Rot, (Collar Rot), Brown Rot.

mal di gomma (It.); Phytophthora gomziekte (Dut.) podredumbre del pie, gomosis (for P.parasitica), tizón gomoso (for P.citrophthora (Sp.).

(1) Phytophthora citrophthora (R.E.Sm. & E.H. Sm.) Leonian in Amer. J. Bot., xii, p.445, 1925.

Pythiacystis citrophthora R.E. Sm. & E.H. Sm. in Bot. Gaz., xlii, p.221, 1906.

(2) Phytophthora hibernalis Carne in J.roy. Soc. W. Aust., xii, p.36, 1925.

(3) Phytophthora megasperma Drechsler in J.Wash. Acad. Sci., xxi, p.524, 1931.

(4) Phytophthora palmivora (Butler) Butler, see Coco-nut.

(5) Phytophthora parasitica Dastur in Mem. Dep. Agric. India, Bot. Ser., 5, p.226, 1913.

P.allii Sawada apud Tanaka in Mycologia, ix, p.249, 1917, fide Ashby, Trans. Brit. mycol. Soc., xiii, p.91, 1928.

P.melongenae Sawada apud Tanaka in Mycologia, ix, p.250, 1917, fide Ashby, loc. cit.

P.terrestris Sherb. in Phytopathology, vii, p.127, 1917, fide Ashby, loc. cit.

Blepharospora terrestris (Sherb.) Peyr. in Atti RC. Accad. Lincei, Ser. 5, i, p.194, 1920.

P.terrestris Sherb. var. rhei Godfrey in J.agric. Res., xxiii, p.21, 1923, fide Ashby, loc. cit.

(6) P. syringae (Kleb.) Kleb., Krankheiten des Flieders, p.18, 1904.

Phloeophthora syringae Kleb. in Zbl. Bakt., Abt. 2, xv, p.336, 1905.

Ovularia syringae Berk. in Gdnrs' Chron., Ser. 2, xvi, p.665, 1881, fide Tucker in Res. Bull. Mo. agric. Exp. Sta. 153, p.164, 1931.

(Note : The status of P. citricola Sawada seems uncertain.)

Hard Root Rot

Rhizoctonia lamellifera Small in Trans. Brit. mycol. Soc., ix, p.165, 1924. (Formerly placed as "strain A" of R. bataticola = Macrophomina phaseoli, see above; but Hopkins, Proc. Rhod. sci. Ass., xxxii, pp.65-79, 1933, finds it to be distinct.)

Rosellinia Root Rot.

(1) Rosellinia bunodes (Berk. & Br.) Sacc., see Cacao.

(2) P. pepo Pat. in Bull. Soc. mycol. Fr., xxiv, p.9, 1908.

Sclerotinia Rot. (Cottony Rot), Gummosis Root Rot and Twig Blight.

Sclerotinia sclerotiorum (Lib.) de Bary, Vergleichende Morphologie und Biologie der Pilze, p.56, 1884.

Peziza sclerotiorum Lib., Pl. Crypt. Arduennae, No.326, 1837.

Peziza sclerotii Fuckel in Bot. Ztg, xix, p.249, 1861, fide Fuckel, Symb. Mycol.

Selerotinia libertiana Fuckel, Symb. Mycol., p.331, 1869 (a change of the epithet sclerotiorum).

South African Bacterial Spot.

Erwinia citrimaculans (Doidge) Magrou in Hauduroy et al., Dictionnaire des Bactéries Pathogènes, p.203, 1937.

Bacillus citrimaculans Doidge in Ann. appl. Biol., iii, p.79, 1917.

Bacterium citrimaculans (Doidge) Burgwitz Bacterial Diseases of Plants, p.228, 1936.

Citrus Blast and Black Pit.

Pseudomonas syringae van Hall, Kenn. Bakt. Plantenziekten, 1902 /not seen/.

Bacterium syringae (van Hall) E.F. Sm., Bacteria in relation to Plant Diseases, i, p.63, 1905.

Phytomonas syringae (van Hall) Bergey et. al., Manual, 5th Edn, p.179, 1939.

Bacterium citriputeale C.O. Sm. in Phytopathology, iii, p.280, 1913, fide Bryan, J.agric. Res., xxxvi, p.226, 1928.
Pseudomonas citriputealis (C.O. Sm.) Stapp, Sorauer's Handb. Pflanzenkrankh., 5 Aufl, ii, p.190, 1928.

Phytomonas citriputealis (C.O. Sm.)
Bergey et al., Manual, 3rd. Edn, p.242, 1930.

Bacterium citrarefaciens Lee in J.agric. Res., ix, p.3, 1917, fide Fawcett et al., Tech. Pap. Calif. agric. Exp. Sta., 5, 1923.

Pseudomonas citrarefaciens (Lee) Stapp, Sorauer's Handb. Pflanzenkrankh., 5 Aufl. p.190, 1928.

Bacterium vignae Gardner & Kendrick in Science, N.S., lvii, p.275, 1923, fide Clara, Mem. Cornell agric. Exp. Sta , 159, p.29, 1934.

Pseudomonas vignae (Gardner & Kendrick) Stapp, Sorauer's Handb. Pflanzenkrankh., 5 Aufl., ii, p.169, 1928.

Phytomonas vignae (Gardner & Kendrick)
Bergey et al., Manual, 1st Edn, p.188, 1923.

Bacterium viridifaciens Tisdale & Williamson in J.agric. Res, xxv, p.150, 1923, fide Clara, loc. cit.

Phyt
Ps[illegible]tomonas viridifaciens (Tisdale & Williamson) Bergey et al., Manual, 2nd Edn, p.208, 1925.

Phytomonas vignae (Gardner & Kendrick) Bergey et al. var. leguminophila Burkh. in Mem. Cornell agric. Exp. Sta., 127, p.51, 1930, fide Clara, loc. cit.

Citrus Canker
Kanker (Dut.)

Xanthomonas citri (Hasse) Dowson in Zbl. Bakt., Abt. 2, c, p.190, 1939.

Pseudomonas citri Hasse in J. agric. Res., iv, p.99, 1915.

Bacterium citri (Hasse) Doidge in Sci. Bull. Dep. Agric. S. Afr 8, p.20, 1916.

Phytomonas citri (Hasse) Berg et al., Manual, 1st Edn, p.181, 1923.

CLOVE, see Appendix.

COCOES, see Taro (Appendix)

COCO-NUT (Cocos nucifera L.)

Stem-bleeding Disease

bladslippenrot (Dut.)

Ceratostomella paradoxa Dade, see Pineapple.

Coco-nut Thread Blight.

Corticium penicillatum Petch in Yearb. Dep. Agric. Ceylon, 1925, p.28, 1925.

Phytophthora Bud Rot.

maladie du coeur (Fr.) (also applied to P. cinnamomi.)

Phytophthora palmivora (Butler) Butler in Rep. agric. Res. Inst. Pusa, 1918-1919, p.82, 1919.

Pythium palmivorum Butler in Mem. Dep. Agric. India, Bot. Ser., 1, p.82, 1907.

Phytophthora faberi Maubl. in Agric. prat. Pays chauds, ix, p.314, 1909, fide Ashby, Trans Brit. mycol. Soc., xiv, p.18, 1929.

Phytophthora theobromae Colem. in Ann. mycol., Berl. viii, p.621, 1910, fide Coleman; see Ashby, loc. cit.

Phytophthora carica (Hara) Hori in Sawada [Japanese : see Mycologia xii, p.25, 1920] fide Tucker, Res. Bull. Mo. agric. Exp. Sta. 153, p.157, 1931.

Tucker (loc. cit.) gives other synonyms, some of which are not accepted by all mycologists.

COCOYAM, see Appendix.

COFFEE (Coffea spp.)

Brown Eyespot.

Amerikaansche bladziekte (Dut.)

Cercospora coffeicola Berk. & Cooke apud Cooke in Grevillea, ix, p.99, 1881.

Koleroga, Thread Blight.

koleroga-schimmel (Dut.)

Corticium koleroga (Cooke) Hoehnel, see Aleurites.

Pink Disease.

Djamoer oepas (Dut. E. Ind.)

Corticium salmonicolor Berk. & Br. in J. Linn. Soc. Lond., xiv, p.71, 1875.

C. javanicum Zimm. (non P.Henn.) in Zbl. Bakt., Abt. 2, vii, p.103, 1901, fide Petch, The Physiology and diseases of Hevea brasiliensis, p.209, 1911.

C. zimmermanni Sacc. & Syd. in Sacc., Syll. Fung., xvi, p.1117, 1902. (A renaming of C. javanicum Zimm.)

Stat. conid, Necator decretus Massee in Kew Bull., 1898, p.119, 1898.

Anthracnose, Brown Blight.

anthracnose (Fr.)

Glomerella cingulata (Stonem.) Spauld. & Schrenk in Science, N.S., xvii, p.750, 1903.

Gnomoniopsis cingulata Stonem. in Bot. Gaz., xxvi, p.101, 1898.

Anthracnose of coffee is often attributed to Colletotrichum coffeanum Noack in Z. PflKrankh., xi, p.202, 1901, but this is probably one of the numerous names in Colletotrichum and Gloeosporium which refer to conidial states of G. cingulata.
See Citrus, Chilli.

Rust. [from Cameroon]

Hemileia coffeicola (Maubl. & Roger) Maubl. & Roger in Bull. Soc. mycol. Fr., 1, p.195, 1934. [R.A.M., xiv, p.303]

Uredo coffeicola Maubl. & Roger in C.R. Acad. Sci., Paris, cxcviii, p.1069, 1934.

Rust (Leaf disease)

Hemileia vastatrix Berk. & Br. apud Berk. in Gdnrs' Chron., 1869, p.1157, 1869.

American Blight

Omphalia flavida Maubl. & Roger in Bull. Soc. mycol. Fr., xxx, p.46, 1914.

The "gemmifer" state is Stilbum flavidum Cooke in Grevillea, ix, p.11, 1880.

Top die-back

topsterfte (Dut.)

Rhizoctonia sp.

CORN, see Maize.

COTTON (Gossypium spp.)

Ascochyta Blight

Ascochyta gossypii Syd. apud Syd. & Butler in Ann. mycol., Berl., xiv, p.194, 1916.

The identity of the fungus seems to need checking.

Sore Shin

Corticium solani (Prill. & Delacr.) Bourd. & Galz. in Bull. Soc. mycol. Fr., xxvii, p.248, 1911.

Hypochnus solani Prill & Delacr. in Bull. Soc. mycol. Fr., vii, p.220, 1891.

Botryobasidium solani (Prill. & Delacr.) Donk in Meded. ned. mycol. Ver., xviii-xx, p.117, 1931.

Hypochnus filamentosus Pat. in Bull. Soc. mycol. Fr. vii, p.163, 1891, fide Rogers, Farlowia, i, p.113, 1943.

Pellicularia filamentosa (Pat.) Rogers in Farlowia, i, p.113, 1943.

Corticium vagum Bark. & Curt. var. solani, Burt apud Rolfs in S ienc N.S., xviii, p.729, 1903, fide Rogers, loc. cit., q.v. for other synonyms.

This fungus has often been called C.vagum in the past. Stat. mycel. Rhizoctonia solani Kühn, Krankheiten der Kulturgewächse, p.224, 1858, is the sclerotial state.

R.microsclerotia Matz in Phytopathology, vii, p.116, 1917 is a syn., fide Rogers, loc. cit.

Fusarium Wilt

maladie du deperissement (Fr.)
marchitamiento (Sp.)

(1) Fusarium vasinfectum Atk. in Bull. Ala. agric. Exp. Sta. 41, p.19, 1892.

F.oxysporum Fr. f.vasinfectum (Atk.) Snyder & Hansen in Amer. J. Bot., xxvii, p.66, 1940.

(2) F.vasinfectum Atk. f. 1 Wollenw. in Z.Parasitenk., iii, p.423, 1931.

F.vasinfectum var. inodoratum Wollenw. in Phytopathology, iii, p.29, 1913, fide Wollenw. & Reinking, Die Fusarien, p.125, 1935.

F.vasinfectum var. egyptiacum Fahmy in Phytopathology, xvii, p.764, 1927, fide Wollenw. & Reinking, Die Fusarien, p.125, 1935.

Anthracnose

anthracnose (Fr.); cariña, anthracnose (Port.)

Glomerella gossypii Edgerton in Mycologia, i, p.119, 1909.
Stat. conid. Colletotrichum gossypii Southworth in J. Mycol., vi, p.170, 1891.

Root Rot

porriture seche (Fr.)

Macrophomina phaseoli (Maubl.) Ashby, see Citrus.

In the United States, where the Macrophomina state is seldom found, the name Rhizoctonia bataticola (Taubenh.) Butler is commonly used.

Internal Boll Disease.

Pourriture interne des capsules, stigmatomycose, (Fr.)

(1) Nematospora coryli Peglion in RC. Accad. Lincei, 1897 [not seen]

(2) N.gossypii Ashby & Nowell in Ann. Bot., Lond., xl, p.74, 1926.

Ashbia gossypii (Ashby & Nowell) Gonz. Frag. & Cif. in Bol. Soc. esp. Hist. nat., xxviii, p.379, 1928.

Ashbya gossypii (Ashby & Nowell) Guillierm. in Rev. gén. Bot., xl, p.562, 1928.

Rust.

Phakopsora desmium (Berk. & Br.) Cumm. in Bull. Torrey bot. Cl., lxxii, p.206, 1945.

Aecidium desmium Berk. & Br. in J.Linn. Soc., Lond., Bot., xiv, p.95, 1875. (This was the Uredo stage.)

Uredo desmium (Berk. & Br.) Petch in Ann. R. bot. Gdns Peradeniya, v, p.247, 1912.

Kuehneola desmium (Berk. & Br.) Butler, Fungi and Disease in Plants, p.363, 1918.

Cerotelium desmium (Berk. & Br.) Arth. in N.Amer. Flora, vii, p.698, 1925.

Uredo gossypii Lagerh. in J.Mycol., vii, p.48, 1891, fide Arthur, loc. cit.

Kuhneola gossypii (Lagerh.) Arth. in N. Amer. Flora, vii p.187, 1912.

Cerotelium gossypii (Lagerh.) Arth. in Bull. Torrey bot. Cl., xliv, p.510, 1917.

Texas Root Rot

Phymatotrichum omnivorum (Shear) Duggar in Ann. Mo. bot. Gdn., iii, p.22, 1916.

Ozonium omnivorum Shear in Bull. Torrey bot. Cl., xxxiv, p.305, 1907.

Areolate Mildew (False Mildew, Frosty Mildew, Frosty Blight, Grey Mildew)

Ramularia areola Atk. in Bot. Gaz., xv, p.168, 1890.

Septocylindrium areola (Atk.)

Pound & Clem. in Minn. bot. Stud., i, p.651, 1896.

Cercosporella gossypii Speg., Fungi Guarantici, No.389, c. 1885, is apparently an earlier name for the fungus, fide Mason, Annotated Acct, List 11, Fasc. 1, p.36, 1928.

? Mycosphaerella areola Ehrlich & Wolf in Phytopathology, xxii, p.228, 1932, was found on fallen leaves bearing Ramularia areola.

Damping-off

Sclerotium rolfsii Sacc., see Sugar-Cane.

Verticillium Wilt.

(1) Verticillium albo-atrum Reinke & Berth., Die Zersetzung der Kartoffel durch Pilze, p.75, 1879.

(2) V.dahliae Kleb. in Mycol. Zbl., iii, p.66, 1913.

Some consider the two names synonymous.

Blackarm (Angular Leaf-Spot, Gummosis, Bacterial Blight, Vein Blight)

ГОММОЗ, БАКТЕРИОЗ (Russ.); bacteriezickte (Dut.); mancha angular (Sp.).

Xanthomonas malvacearum (E.F. Sm.) Dowson in Zbl. Bakt., Abt. 2, c, p.190, 1939.

Pseudomonas malvacearum E.F. Sm. in Bull. U.S. Dep. Agric. 28, p.153, 1901.

Bacterium malvacearum (E.F. Sm.) E.F. Sm., Bacteria in relation to Plant Diseases, i, p.171, 1905.

Phytomonas malvacearum (E.F. Sm.) Bergey et al, Manual, Ed. 1, p.718, 1923.

COWPEA (Vigna unguiculata (L.) Walp., syns. V.sinensis Endl., V.catjang Walp.)

Leafspot

(1) Cercospora canescens Ell. & Martin, see Bean, Lima.

(2) Cercospora cruenta Sacc. in Michelia, ii, p.149, 1880.

The perfect state has been described as Mycosphaerella cruenta (Sacc.) Latham (or as some prefer M.cruenta Latham) in Mycologia, xxvi, p.525, 1934.

Wilt.

Fusarium bulbigenum Cooke & Massee var. tracheiphilum (E.F. Sm.) Wollenw. in Z.Parasitenk., iii, p.413, 1931.

Fusarium tracheiphilum E.F. Sm. in Bull. U.S. Dep. Agric., 17, p.46, 1899.

F.oxysporum Fr. f. tracheiphilum (E.F. Sm.) Snyder & Hansen in Amer. J. Bot., xxvii, p.66, 1940.

Rust

Uromyces vignae Barcl. in J. Asiat. Soc. Beng., lx, p.211, 1891.

Arthur, Manual, p.297, 1934, makes this a variety of Uromyces appendicula (Pers.) Link (as U.phascoli) (Pers.) Wint. var. vignae (Barcl.) Arth.)

Bacterial Spot

Pseudomonas syringae van Hall, see Citrus.

CUSTARD APPLE, see Appendix.

DATE PALM (Phoenix dactylifera, L.)

Wilt (Sudden Death)

Ceratostomella radicicola Bliss in Mycologia, xxxiii, p.468, 1941.

The imperfect state is a Chalaropsis.

'Baioud'

Fusarium albedinis (Killian & Maire) Melançon in C.R. Acad. Sci, Paris, cxcvii, p.1261, 1934.)

Cylindrophora albedinis Killian & Maire in Bull. Soc. Hist. nat. Afr. Nord., xxi, p.97, 1930.

Smut (False Smut)

Graphiola phoenicis (Moug.) Poit. in Ann. Sci. nat., Bot., iii, p.473, 1924.

Inflorescence Rot ("Khamedj")

Pourriture de l'inflorescence (Fr.), Atrofia fiorale (It.)

Mauginiella scaettae Cav. in R.C.Accad. Lincei, Ser. vi, 1-2, p.65, 1925.

EGGPLANT (Brinjal, Aubergine,) (Solanum melongena L.)

Cercospora Leaf Spot

Cercospora melongenae Welles in Phytopathology, xii, p.63, 1922.

Mildew

Leveillula taurica (Lév.) Arn. in Ann. Epiphyt., vii, p.92, 1921.

Erysiphe taurica Lév. in Ann. Sci. nat., Bot., Ser. 3, xv, p.161, 1851.

Blumer, Die Erysiphaceen Mitteleuropas, p.404, 1933, gives 24 other synonyms Jaczewski in 1926 named more than 80 forms of L. taurica on different hosts.

The conidial state is Oidiopsis sicula Scalia, 1903. The combination O. taurica (Lév.) Salm. in Ann. Bot., Lond., xx, p.187, 1906, was made after proposed emendation of the genus Oidiopsis to include its perfect state; but the latter genus should probably be maintained for future use for imperfect states.

Fruit Rot, Leaf Spot

Phomopsis vexans (Sacc. & Syd.) Harter in J. agric. Res., ii, p.338, 1914.

Phoma vexans Sacc. & Syd. in Sacc., Syll. Fung., xiv, p.889, 1899.

A perfect state found in culture is named Diaporthe vexans (Sacc. & Sy Gratz (or as some prefer D. vexans Gratz) in Phytopathology, xxxii, p.542, 1942.

Phytophthora Fruit Rot

Phytophthora parasitica Dastur, syn. P. melongenae Saw., see Citrus.

Bacterial Wilt Disease

Xanthomonas solanacearum (E.F. Sm.) Dowson, see under Banana.

ELEPHANT GRASS see appendix

FIG (Ficus carica L.)

Rust

Cerotelium fici (Cast.) Arth. in Bull. Torrey bot. Cl. xliv, p.509, 1917.

Uredo fici Cast., in Desm., Pl. Crypt., No.1662, 1848.

Physopella fici (Cast.) Arth., Int. bot. Congr. Wien Res., p.338, 1906.

Kuehneola fici (Cast.) Butler in Ann. Mycol., Berl., xii, p.76, 1914.

Arthur, N. Amer. Flora, vii, p.696, 1925, gives eleven other synonyms.

Fruit Rot (White Rot)

Phytophthora palmivora (Butler) Butler, syn. P.carica (Hara) Hori, see Coco-nut.

GINGER (Zingiber officinalis Rosc.)

Leaf Spot

Colletotrichum zingiberis (Sundarar.) Butler & Bisby, The Fungi of India, p.153, 1931.

Vermicularia zingiberis Sundarar. in Mem. Dep. Agric. India, Bot. Ser., xi, p.212, 1923.

Pythium Rot

Pythium myriotylum Drechsl. in J. Wash. Acad. Sci., xx, p.404, 1930.

GRAM, see Chick Pea

GRANADILLA, see Appendix

GROUNDNUT, PEANUT, (Arachis hypogaea L.)

Leaf Spot

Maladies des taches noires (Fr.)

(1) Cercospora arachidicola Hori in Rep. Nishigahara agric. Exp. Sta., Tokyo, 1917, p.26, (in Japanese).

C.arachidis P.Henn. var. macrospora Maffei in Riv. Pat. veg., Roma, xii, p.7, 1922, fide Woodroof, Phytopathology, xxiii, p.634, 1933.,

(2) Cercospora personata (Berk. & Curt.) Ell. & Everh. in J.Mycol., i, p.63, 1885.

Cladosporium personatum Berk. & Curt. apud Berk. in Grevillea, iii, p.106, 1875.

Septogoeum arachidis Racib. in Z.Pflkrankh., viii, p.66, 1898, fide Woodroof, op. cit.

Cercospora arachidis P.Henn. in Hedwigia, xli, p.(18), 1902, fide Woodroof, op. cit.

The perfect states of the two species were found in Georgia and described as Mycosphaerella arachidicola W.A. Jenkins in J.agric. Res., lvi, p.324, 1938, and M.berkeleyii W.A. Jenkins in J.agric. Res., lvi, p.330, 1938, respectively.

Rust

Puccinia arachidis Speg. in An. Soc. cient. Argent., xvii, p.90, 1884.

Bullaria arachidis (Speg.) Arth. & Mains in N.Amer. Flora, vii, p.484, 1922.

Uredo arachidis Lagerh. in Troms.Mus. Aarsh., xvii, p.106, 1895, fide Arthur & Mains, loc. cit.

Uromyces arachidis P.Henn. in Hedwigia, xxxv, p.224, 1896, fide Arthu & Mains, loc. cit.

Stem Rot

maladie des sclerotes (Fr.); podredumbre del tallo (sp.)

Sclerotium rolfsii Sacc., see Sweet Potato.

Scab

Sphaceloma arachidis Bitanc. & Jenkins in Arq. Inst. biol., S.Paulo, xi, p.46, 1940.

Slime disease

slijmziekte (Dut.); pourriture (Fr.)

Xanthomonas solanacearum (E.F. Sm.) Dowson, see Banana.

GUAVA (Psidium guajava L.)

Root Rot

Clitocybe tabescens (Scop. ex Fr.) Bres., see under Aleurites.

Ripe Rot

Glomerella cingulata (Stonem.) Spauld. & Schrenk, see under Coffee.

Glomerella psidii Sheldon (as "G.psidii (G.Del.)") in Bull. W. Va agr Exp. Sta. 104, p.311, 1906, fide Shear & Wood, Bull. U.S. Dep. Agric. 252, p.50, 1913.

The stat. conid. of G.psidii is Glocosporium psidii Delacr. in Bull. So mycol. Fr., xix, p.144, 1903.

Leaf Spot

Physalospora psidii Stev. & Peirce in Indian J.agric. Sci., iii, p.913, 19

Rust

Puccinia psidii Wint. in Hedwigia, xxiii, p.171, 1884. For the synonymy s Jackson, Mycologia, xxiii, p.483, 1931.

GUINEA GRASS, see Appendix.

HYACINTH BEAN, see Appendix.

JAK TREE (Artocarpus integer (Thunb.) Merr., syn. A.integrifolius L.f.)

Pink Disease

Corticium salmonicolor Berk. & Br., see under Coffee.

Soft Rot

Rhizopus artocarpi Racib., Parasitische Algen und Pilze Javas, i, p.11, 19

R.stolonifer (see under Sweet Potato) is also involved fide Crisanto, Philipp. Agric., xii, p.465, 1924. Zycha, Krypt. Ogamen flora der Mark Brandenburg, via, p.117, 1935, thinks R.artocarpi may be a form of R.stolonifer.

JUTE, see appendix

MAIZE (Corn) (Zea mays L.)

Leaf Spot

Cochliobolus heterostrophus (Drechsl.) Drechsl. in Phytopathology, xxiv, p.973, 1934.

Ophiobolus heterostrophus Drechsl. in J.agric. Res., xxxi, p.723, 1925.

The conidial state is a Helminthosporium which apparently has not been giv a separate specific epithet.

Dry Rot, Root Rot, Stalk Rot, Seedling Blight

Diplodia macrospora Earle in Bull. Torrey bot. Cl., xxiv, p.29, 1897.

Macrodiplodia macrospora (Earle) Höhnel in Hedwigia, lx, p.148, 1918.

Diplodia zeae (Schw.) Lev. var. macrospora (Earle) Hohnel in Hedwigia, lx, p.148, 1918.

Macrodiplodia zeae (Schw.) Petrak & Syd. var. macrospora Petrak & Syd. apud Petrak in Ann. mycol., Berl., xxi, p.189, 1923.

Stenocarpella zeae Syd. in Ann. mycol., Berl., xv, p.258, 1917, fide Petrak in op. cit., xxi, p.189, 1923.

(2) Diplodia zeae (Schw.) Lév., in Ann. Sci. nat., Bot., Ser. 3, ix, p.258, 1848.
For the rather confused synonymy of this species, see Shear & Stevens, Mycologia, xxvii, pp.467-477, 1935.

Pink Ear Rot, Kernel Rot, Root Rot, Stalk Rot, Seedling Blight

(1) Gibberella fujikuroi (Saw.) Wollenw., and

(2) G.fujikuroi var. subglutinans Edwards, see Sugar-Cane.

(3) G.zeae (Schw.) Petch in Ann. mycol., Berl., xxxix, p.260, 1936.

Sphaeria zeae Schw. in Schr. naturf. Ges. Lpz., i, p.48, 1822. (Mentioned but not accepted by Fries, Systema, ii, 1823.)

No. (3) was formerly referred erroneously to G.saubinetii (Mont.) Sacc.; see Petch, loc. cit. The conidial state of G.zeae is Fusarium graminiarum Schwabe em. Wollenw. & Reinking, Die Fusarien, p.82, 1935, q.v. for synonymy.

Helminthosporium Leaf Blight

Helminthosporium turcicum Pass. in Bol. Com. agr. Parmese, No.10, 1876. /not seen/

H.inconspicuum Cooke & Ellis in Grevillea, vi, p.88, 1878, fide Drechsler, J.agric. Res., xxiv, p.712, 1923.

Brown Spot Disease

Physoderma maydis Miyab in Idota, Nippon Shokobutsu Byorigaku, Edn 4, p.114, 1909; fide Tanaka in Mycologia xiv, p.84, 1922. /The description of this species was available until 1922 only to Japanese readers but names published before 1935 do not require a Latin diagnosi

P.zeae-maydis Shaw apud Sydow & Butler in Ann. mycol., Berl., x, p.245, 1912, fide Kogashi; fide Mundkur, Fungi of India, Supplement 1, p.7, 1938.

Rust

Puccinia sorghi Schw. in Trans. Amer. Phil. Soc., Ser. 2, iv, p.295, 1832.

Dicaeoma sorghi (Schw.) Kuntze, Revisio Generum Plantarum, iii, p.470, 1898.

Aecidium oxalidis Thüm., in Flora, lix, p.425, 1876, fide Arthur, Bot. Gaz., xxxviii, p.64, 1904.

The epithet "sorghi" is unfortunate, and was due to a misidentification of the host. As the Rules now stand, this epithet must be retained, as is commonly done. The only other binomial in common use, P. maydis Berenger, is said to be a nomen nudum printed in 1845. The Rev. appl. Mycol. has thus far followed the Monogr. Ured. in using the latter name.

P. polysora Underw. and Angiopsora zeae Mains are also recorded (see Phytopathology, xxxi, p.856, 1941) on maize in N. and S. America and the West Indies.

Pythium Root Rot

Pythium arrhenomanes Drechsl., see Sorghum, and other species of Pythium.

Smut.

Ustilago maydis (DC.) Corda, Icones Fungorum, v, p.3, 1842.

Uredo maydis DC., Flora Franc., vi, p.77, 1815.

Stevenson & Johnson (Plant Dis. Reptr, xxviii, p.668, 1944,) point out that the name U. zeae (Beckm.) Unger, is not valid under the Rules since it is based on the pre-valid name of Lycoperdon zeae Beckm. 1768, which was not taken up in Ustilago till 1836.

MALANGA, see Cocyam (Appendix)

MANGO, (Mangifera indica L.)

Leaf Spot

Cercospora mangifera Koord. in Verh. Akad. Wet. Amst., Sect. 2, xiii, p.236, 1907.

Anthracnose (Blossom Blight, Leaf Spot, Fruit Spot)

Gloeosporium mangiferae P. Henn. in Verh. bot. Ver. Brandenburg, xl, p.171, 1899.

This may be a state of Glomerella cingulata (Stonem.) Spauld & Schrenk; see Coffee.

Mildew (Powdery Mildew)

Oidium mangiferae Berthet in Bol. Agric., S. Paulo, xv, p.818, 1914.

The powdery mildew of mango has been referred to Erysiphe cichoracearum [xx, 414; xvii, 121]; O. erysiphoides; E. polygoni; and Oidium sp. Until the ascigerous stage is properly established it is preferable to adopt O. mangiferae always.

Bacterial Blight

Erwinia mangiferae (Doidge) Bergey et al., Manual, Edn 1, p.173, 1923.

Bacillus mangiferae Doidge in Ann. appl. Biol., ii, p.42, 1915.

Bacterium mangiferae (Doidge) Burgwitz, [Phytopathogenic Bacteria], p.157, 1935.

MANILA HEMP, ABACA (Musa textilis Née, syn. M. abaca Perr.) see also Banana

Fusarium Wilt

Fusarium oxysporum Fr. f. cubense (E.F. Sm.) Snyder & Hansen, see Banana.

Heart Rot

Gibberella fujikuroi (Saw.) Wollenw. var. subglutinans Edwards, see under Sugar Cane.

Helminthosporium Stem Rot

Helminthosporium torulosum (Syd.) Ashby, see under Banana.

MILLET, BULRUSH (Pearl Millet) (Pennisetum typhoides Stapf & Hubbard)

Rust

Puccinia penniseti Zimm. in Ber. Landu. Forstw. D. - Ostafr., ii, p.16, 1904.

Downy Mildew (Green Ear)

Sclerospora graminicola (Sacc.) Schroet., Kryptogamenflora von Schlesien, iii, p.236, 1886.

Peronospora graminicola Sacc. in Michelia, ii, p.586, 1882.

Smut

(1) Tolyposporium penicillariae Bref., Untersuch. Gesamtgebi. Mykol., xii, p.154, 1895.

(2) T. senegalense Speg. in An. Mus. nac. B. Aires, xxvi, p.118, 1914. Fide Mundkur, Trans. Brit. Mycol. Soc., xxiv, p.326, 1940, this smut also attacks African Bulrush Millet (Pennisetum leonis Stapf & Hubbard)

MILLET, Common (Broomcorn Millet) (Panicum miliaceum L.)

Smut

Sphacelotheca destruens (Schlecht.) Stevenson & A.G. Johnson in Phytopathology, xxxiv, p.613, 1944.

Caeoma destruens Schlecht., Fl. Berol., ii, p.130, 1824.

For the remainder of the synonymy see Stevenson & Johnson, loc. cit. The name S.panici-miliacei (Pers.) Bub. cannot legitimately be used under the Rules.

MILLET, Finger (African Millet, Ragi) (Eleusine coracana Gaertn.)

Leaf Spot

Helminthosporium nodulosum Sacc. (As H.nodulosum "B. et C.") Syll. Fung., iv, p.421, 1886.

H.nodosum Berk. & Curt. apud Berkeley in Grevillea, iii, p.102, 1875, non H.nodosum Crouan, 1867.

Smut

Ustilago eleusinis Kulkarni in Ann. appl. Biol., ix, p.186, 1922.

MILLET, ITALIAN (Setaria italica Beauv.)

Downy Mildew

Sclerospora graminicola (Sacc.) Schroet, see Millet, Bulrush.

Smut

Ustilago crameri Körn. apud Fuckel in J.nassau. Ver. Naturk, xxvii-xxviii, p.11, 1873.

MULBERRY, WHITE (Morus alba L.)

Blight

Pseudomonas mori (Boyer & Lambert) Stevens, The Fungi which cause plant disease, p.30, 1913.

Bacterium mori Boyer & Lambert in C.R. Acad. Sci., Paris, cxvii p.342, 1893.

Phytomonas mori (Boyer & Lambert) Bergey et al., Manual, Edn 1, p.191, 1923.

The earlier name Bacillus cubonianus Macchiati in Malphigia, v,

Several fungi have been described on leaves and other parts of Mulberry, especially in temperate regions.

NAPIER FODDER, see Elephant Grass (appendix)

NUTMEG, see Appendix.

OIL PALM, see Appendix.

OHRA (Hibiscus esculentus L.)

Pod Spot

Ascochyta abelmoschi Harter in J.agric. Res., xiv, p.209, 1918.

Leaf Spot

Cercospora hibisci Tracy & Earle in Bull. Torrey bot. Cl., xxii, p.179, 1895.

A few other species of Cercospora have been described on Hibiscus, and the synonymy is uncertain.

Mildew. (Powdery mildew)

Erysiphe cichoracearum DC., Flora Francaise, ii, p.273, 1805.

Salmon, Mem. Torrey bot. Cl., ix, pp.193-6, 1900, gives more than forty synonyms. The name E.cichoracearum and several other names of Erysiphaceae, require validation under the Rules : it has been proposed that their nomenclature start with 1801 or 1805.

OLIVE (Olea europea L.)

Leaf Spot

Variole, Oeil de paon, (Fr.); Vaiuolo, Occhio di pavone (It.).

Cycloconium oleaginum Cast., Catalogue des plantes ..... de Marseille, p.220, 1845.

Olive Knot

Tumeur bacterienne, Rogne, (Fr.); Rogna, Tuberculosi, Chiodo (It.)

Pseudomonas savastanoi (E.F. Sm.) Stev., The Fungi which cause plant disease, p.33, 1913.

Bacterium savastanoi E.F. Sm. in Bull. U.S. Dep. Agric. 131, p.31, 1908 (with list of previous nomina nuda or confusa).

Phytomonas savastanoi (E.F.Sm.) Bergey et al, Manual, Edn 1, p.190, 1923.

PALMYRA PALM, see Appendix.

PASSION FRUIT, see Appendix.

PAWPAW, (Papaw, Papaya) (Carica papaya L.)

Leaf Spot (Black Leaf Spot)

Asperisporium caricae (Spg.) Maubl. in Bull. Soc. mycol. Fr., xxix, p.358 1913.

Cercospora? caricae Speg., Fungi Guaranitici, No.409, 1883.

Fusicladium caricae (Speg.) Sacc., Atti Congr. bot. Palermo, p.58, 1902.

Scolecotrichum caricae Ellis & Everh. in J.Mycol., p.134, 1892, fide Maublanc, loc. cit.

Epiclinium cumminsii Massee in Kew Bull., 1898, p.133, fide Maublanc, loc. cit.

Pucciniopsis caricae Earle in Bull. N.Y. bot. Gdn, ii, p.340, 1902, fide Maublanc, loc. cit.

Sphaerella caricae Maubl. loc. cit., was described as the presumed perfect state, but the connexion with A.caricae has apparently not been proved. Mycosphaerella caricae Syd. in Ann. mycol., Berl., xi, p.403, is a synonym of S.caricae, fide Stevens and Calino, Philipp. Agric., xxi, p.14, 1932.

Fruit Rot

Colletotrichum gloeosporioides (Penzig) Sacc., see Citrus.

Helminthosporium Leaf Spot

Helminthosporium papayae Syd. in Ann. mycol., Berl., xxi, p.105, 1923.

Mildew (Powdery Mildew)

Oidium carica Noack in Bol. Inst. Agron. S. Paulo, ix, p.81, 1898.

PEANUT, see Groundnut.

PEPPER, see Appendix.

PEPPER, Cayenne or Red, see Chilli.

PERSIMMON, see Appendix.

PIGEON PEA, (Cajanus cajan(L.) Millsp., syn. C.indicus Spreng.)

Wilt

Fusarium udum Butler in Mem. Dep. Agric., India, Bot. Ser., ii, 9, p.54, 1910, var. cajani Padwick, in Indian J. agric. Sci., x, p.877, 1940.

There is a difference of opinion as to the name of this Fusarium. It was for some time considered as a synonym of F.vasinfectum Atk. Snyder & Hansen reduced both F.udum and F.vasinfectum to forms as F.oxysporum Fr. f. udum (Butl.) Snyder & Hansen in Amer. J. Bot., xxvii, p.66, 1940, and F.oxysporum Fr. f. vasinfectum (Atk.) Snyder & Hansen, loc. cit. (see Cotton).

Rust

Uromyces dolicholi Arth. in Bull. Torrey bot. Cl., xxxiii, p.27, 1906.

Uredo pamparum Speg. in An. Soc. cient. Argent., ix, p.173, 1880, and Uredo cajani Syd. in Ann. mycol., Berl., iv, p.442, 1906, are probably synonyms of Uromyces dolicholi, fide Arthur, Mycologia, vii, p.187, 1915.

ENTO see Appendix.

EAPPLE (Ananas comosus (L.) Merr.)

Rot. (Water Blister, Black Rot.)

Ceratostomella paradoxa Dade in Trans. Brit. mycol. Soc., xiii, p.191, 1928.

Ophiostoma paradoxa (Dade) Nannf. apud Melin & Nannf. in Svenska SkogsvFören. Tidskr., 1934, p.408, 1934.

Endoconidiophora paradoxa (Dade) R.W. Davidson (as"(de Seynes) Davidson") in J.agric. Res., 1, p.802, 1935.

Stat. conid. Thielaviopsis paradoxa (de Seynes) Höhnel in Hedwigia, xliii, p.295, 1904.

Sporoschisma paradoxa de Seynes, Recherches /Végét. Inf., iii, p.30, 1874.

Chalara paradoxa (de Seynes) Sacc., Syll. Fung., x, p.595, 1892.

Thielaviopsis ethacetica Went in Meded. Proefsta. "Kagok" 5, p.4, 1893, fide Dade.

Top Rot

Phytophthora cinnamomi Rands in Meded. Inst. PlZiekt., Buitenz., 54, p.41, 1922.

Erwinia ananas Serrano in Philipp. J. Sci., xxxvi, p.271, 1928, and Phytomonas ananas Serrano in Philipp. J. Sci., lv, p.355, 1934, are reported to cause rots in the Philippines.

PLANTAIN, see Banana and Appendix.

POMEGRANATE, see Appendix.

RAGI, see Millet, Finger.

RAMBUTAN, see Appendix.

RICE (Oryae sativa L.)

Leaf Spot

Cercospora oryzae Miyaki in J. Coll. Agric. Tokyo, ii, p.263, 1910.

Leaf Smut

Entyloma oryzae Syd. in Ann. mycol., Berl., xii, p.197, 1914.

Foot Rot

Gibberella fujikuroi (Saw.) Wollenw., see Sugar-cane.

Stem Rot
pourriture de la tige (Fr.)

Leptosphaeria salvinii Catt, in Arch. Bot. Critti., ii, p.126, 1877.

Smut

Neovossia horrida (Takah.) Padwick & Azmatullah Khan in Mycol. Pap., Imp. Mycol. Inst., 10, p.2, 1944.

Tilletia horrida Takah. in Bot. Mag., Tokyo, x, 2, p.20, 1896.

Brown Spot
helminthosporiose (Fr.)

Ophiobolus miyabeanus Ito & Kuribay. in Ann. phytopath. Soc. Japan, ii, p 1927.
Stat. conid. Helminthosporium oryzae van Breda in Bull. Inst. bot. Buiten: vi, p.11, 1900.

Black Sheath Rot

Ophiobolus oryzinus Sacc. in Nuovo Giorn. bot. ital., xxiii, p.203, 1916.

Blast and Scorch
Quemado (Sp.)

Piricularia oryzae Cav. in Fungi Longobardiae Exs., No.49, 1891.

Downy Mildew

Sclerospora macrospora Sacc. in Hedwigia, xxix, p.155, 1890.

Phytophthora macrospora (Sacc.) Ito & Tanaka apud Tanaka in Ann. phytopath. Soc. Japan, x, p.138, 1940.

Sclerospora kriegeriana Magn. in Verh. Ges. dtsch. Naturf., Arz., 1895, p.100 [not seen], fide Tanaka, loc. cit.

Sclerospora oryzae Brizi in Natura, Milano, x, p.168, 1919 [not seen], fide Tanaka, loc. cit.

UBBER (Hevea brasiliensis Muell. Arg.)

Botryodiplodia Root Disease, Die-back
Diplodia-instervingsziekte (Dut.) ; maladie du collet (Fr.)

Botryodiplodia theobromae Pat., see Cacao.

Mouldy Rot
"Mouldy rot" used in Dut. E. Ind.

Ceratostomella fimbriata (Ell. & Halst.) Elliott, see Sweet Potato.

Pink Disease
djamoer oepas (Dut. E. Ind.); maladie rose (Fr.)

Corticium salmonicolor Berk. & Br., see Coffee.

Brown-root Disease
briune wortelschimmel (Dut.); pourriture brune des racines (Fr.)

(1) Fomes lamaensis (Murr.) Sacc. & Trott. as "lamaoensis", Syll. Fung. xxi, p.287, 1912.

Pyropolysporus lamaensis Murr. in Bull. Torrey bot. Cl., xxxiv, p.479, 1907.

Fomes williamsii (Murr.) Sacc. & Trott., Syll. Fung., xxi, p.289, 1912, fide Bresadola, Hedwigia, liii, p.59, 1912.

Fyropolysporus williamsii Murr. in Bull. Torrey bot. Cl., xxxiv, p.479, 1907.

Phellinus williamsii (Murr.) Pat. apud Elmer in Leafl. Philipp. Bot., vi, p.2249, 1914.

(2) Fomes noxius Corner, see Cacao.

White-root Disease

witte wortelschimmel (Dut.); pourriture blanche des racines, pourriture aqueuse, (Fr.).

Fomes lignosus (Klotzsch) Bres. in Hedwigia, liii, p.60, 1912 (with Polyporus auberianus Mont., P.kamphoverni Fr., and P.diffusus Fr. listed as synonyms).

Polyporus lignosus Klotzsch in Linnaea, viii, p.485, 1833.

Petch, Trans. Brit. mycol. Soc., xiii, p.245, 1928, considers that there is doubt regarding the status of the name Fomes lignosus.

Red-root Disease

roode wortelschimmel (Dut.); pourriture rouge des racines, (Fr.)

Ganoderma pseudoferreum (Wakef.) van Overeem & Steinm. apud van Overeem in Bull. Jard. bot. Buitenz. Sér. 3, vii, p.437, 1925.

Fomes pseudoferreus Wakef. in Kew Bull., 1918, p.208, 1918.

Trametes theae Zimm, in Zbl. Bakt., Abt. 2, vii, p.101, 1901, fide van Overeem, loc. cit.

South American Leaf Disease.

Dothidella ulei P.Henn. in Notizbl. bot. Gart. Berl., iv, p.134, 1904.

Melanopsammopsis ulei (P.Henn.) Stahel in Bull. Dep. Landb. Suriname 34, p.34, 1917.

Melanopsammopsis heveae Stahel in Meded. Dep. Landb. Suriname, 1, 1915, fide Stahel, loc. cit. 1917.

The use of Melanopsammopsis/may be preferred because of the doubtful status of Dothidella : see Trans. Brit. mycol. Soc., xxiv, p.286, "1940" (1941).

Stat. conid. Fusicladium macrosporum Kuyper in Rec. Trav. bot. néerland., viii, p.374, 1911.
Stahel and others consider the conidial state a Scolecotrichum. but apparently the epithet has not been transferred. Bancroft, J.Bd Agric. Guiana, vii, p.38, 1913, mentions the name Passalora heveae Massee, which is evidently still a nomen nudum.

Stat. pycnid. Aposphaeria ulei P.Henn, in Notizbl. bot. Gart., Berl., iv, p.135, 1904.

Powdery Mildew or Leaf Fall
meeldauw (Dut.)

Oidium heveae Steinm., De Ziekten en Plagen van Hevea brasiensis in Nederlandsch-Indië, p.91, 1925.

Phytophthora Diseases : Black Stripe, Leaf fall, etc.
streepjeskanker, vlekkenkanker, lumpkanker, Phytophthora bladziekte, -bladafval (Dut.)

(1) Phytophthora heveae Thompson in Malay agric. J., xvii, p.94, 1929.

(2) P.meadii McRae in J.Bombay nat. Hist. Soc., xxv, p.760, 1918.

(3) P.palmivora (Butler) Butler, see Coco-nut.

(4) Pythium spp.

There are differences of opinion regarding the taxonomy and parasitism of the fungi concerned.

Red Root Disease
roode wortelschimmel (Dut.) pourriture rouge des racines (Fr.)

Poria hypobrunnea Petch in Ann. R. bot. Gdns Peradeniya, vi, p.137, 1916.

Sphaerostilbe Root Diseases

Sphaerostilbe repens Berk. & Br. in J. Linn. Soc. Lond., Bot., xiv, p.114,1875.

Dry Root Rot.
wortelkraagziekte, kraagrot, (Dut.); pourriture sèche des racines, pourriture linéaire noire (Fr.).

Ustulina zonata (Lév.) Sacc., Syll. Fung., i, p.352, 1882.

Sphaeria zonata Lév. in Ann. Sci. nat., Sér. 3, iii, p.48, 1845.

Van Overeem, Bull. Jard. bot. Buitenz., Ser. 3, vi, p.256, 1924, considers U.zonata to be the same as U.vulgaris Tul. If true, the correct name for U.zonata would be that of U.vulgaris, which is U.deusta (Fr.) Petrak in Ann. mycol., Berl., xix, p.279, 1921.

SESAME (Sesamum orientale L.)

Leaf Spot

Cercospora sesami Zimm. in Ber. Land u. Forstw. D. Ostafr., ii, p.29, 1904.

'Blood Disease'
Marad el Dum (Arabic)

Pseudomonas sesami Malkoff in Zbl. Bakt., Abt. 2, xvi, p.665, 1906.

Bact rium sesami (Malkoff) Nakata in Ann. phytopath. Soc. Japan, ii, p.242, 1930.

Phytomonas sesami (Malkoff) Kovachevsky in Ann. Univ. Sofia, Fac. Agron., viii, p.464, 1930.

Bacterium sesamicola Takimoto in J. Plant Prot. Tokyo, viii, p.433, 1927, fide Nakata, loc. cit.

Phytomonas sesamicola (Takimoto) Magrou in Hauduroy et al., Dictionnaire des Bactéries Pathogènes, p.412, 1937.

SISAL, SISAL HEMP. (Agave sisalana (Englm.) Perrine, syn. A.rigida Mill. var. sisalana Engelm.)

Anthracnose

Colletotrichum agaves Cavara, Fungi Longobardiae Exsiccati, Pug. ii, No.100, 1892.

SORGHUM, GUINEA CORN (Sorghum vulgare Pers. sensu lat; syn. Holcus sorghum L.).

Rust

Puccinia purpurea Cooke in Grevillea, v, p.15, 1876.

Uredo sorghi Fuckel apud Thümen in Bot. Z., xxix, p.27, 1871, fide Arthur, Manual of the Rusts in United States and Canada, p.124, 1934; non Puccinia sorghi Schw., 1832.

A few other synonyms are given by Arthur and by Sydow.

Pythium Root Rot

Pythium arrhenomanes Drechsl. in Phytopathology, xviii, p.874, 1928.

The varieties canadensis Vanterpool & Truscott, philippinensis Roldan, hawaiianensis Sid ris (under the combination Nematosporangium arrhenoman (Drechsl.) Sideris in Mycologia, xxiii, p.272, 1931) and eight species of Nematosporangium described by Sideris, op. cit., are considered synon by Middleton, Mem. Torrey bot. Cl, xx, p.46, 1943.

Downy Mildew

Sclerospora sorghi Weston & Uppal, nom. nov. [as 'S.sorghi (Kulk) Weston & Uppal']in Phytopathology, xxii, p.582, 1932.
Sclerospora graminicola (Sacc.) Schroet. var. andropogonis sorghi Kulkarni in Mem. Dep. Agric. India, Bot. Ser., v, p.272, 1913.

Loose Smut

Sphacelotheca cruenta (Kühn) A.A.Potter in Phytopathology, ii, p.98, 1912.

Ustilago cruenta Kühn in Hamburg Gart. Blumenztg., xxviii, p.177, 1872.

Ustilago tulasnei Kühn in Rabenh. Fungi Eur., No. 1997, 1875, fide Zundel, Bothalia, iii, p.296, 1938.

Head Smut
carbone della pannochia (It.); charbon des panicules (Fr.).

Sphacelotheca reiliana (Kühn) Clinton in J. Mycol., viii, p.141, 1892.

Ustilago reiliana Kühn in Rabenh. Fungi Eur., No.1998, 1875.

Cintractia reiliana (Kühn) Clint. in Bull. Ill. agric. Exp. Sta. 57, p.346, 1900.

Sorosporium reilianum (Kühn) McAlp., Smuts of Australia, p.181, 1910

Ustilago pulveracea Cooke in Grevillea, iv, p.115, 1876, fide auctt.

Covered Smut
carbon cubierto (Sp.); carbone della saggina (It.); charbon du sorgho (Fr.)

Sphacelotheca sorghi (Link) Clint. in J.Mycol., viii, p.140, 1902.

Sporisorium sorghi Link in Willdenow, Spec. Plant., Edn. 4, ii, p.86, 1825.

Tilletia sorghi-vulgaris Tul. in Ann. Sci. nat., Sér. 3, vii, p.116, 1847, fide de Toni in Sacc., Syll. Fung., vii, p.456, 1888.

Ustilago sorghi Pass. apud Thüm. in Hedwigia, xii, p.114, 1873, fide de Toni, loc. cit.

Cintractia sorghi-vulgaris Clint. in Bull. Ill. agric. Exp. Sta. 47, p.404, 1897, fide Clinton, N. Amer. Flora, ii, p.25, 1906.

SOURSOP, see Appendix

SOY BEAN (Glycine max (L.) Merr., syn. Soja hispida Maxim)

Anthracnose.

Glomerella glycines Lehman & Wolf [as G.glycines "(Hori) n.n."] in J.agric. Res., xxxiii, p.389, 1926.
The stat. conid. is presumably Colletotrichum glycines Hori apud Nomai in J. Coll. Agric. Sapporo, ix, p.22, 1920.

Bacterial Blight

Pseudomonas glycinea Coerper in J.agric. Res., xviii, p.188, 1919.

Bacterium glycineum Coerper, loc. cit.

Phytomonas glycinea (Coerper) Burkh. in Phytopathology, xvi, p.922, 1926.

Bacterium sojae Wolf in Phytopathology, x, p.127, 1920, fide Miss Elliott Manual of bacterial plant pathogens, p.134, 1930.

Phytomonas sojae (Wolf) Burkh. in Phytopathology, xvi, p.922, 1926.

Pseudomonas sojae (Wolf) Stapp., Sorauer's Handb. Pflanzenkrankh, 5 Aufl., ii, p.174, 1928.

Bacterial Pustule.

Caused by a variety of Xanthomonas phaseoli (E.F. Sm.) (see Lima Bean), but the trinomial has apparently not been made under Xanthomonas.

Bacterium phaseoli var. sojense Hedges in Science, N.S., lvi,, p.112, 1922.

Phytomonas phaseoli var. sojensis (Hedges) Burkh. in Phytopathology, xx, p.7, 1930.

Pseudomonas glycines Nakano in J.Plant Prot., Tokyo, vi, p.39, 1919, fide Bergey et al., Manual, 5th Edn., p.152, 1939.

Bacterium glycines (Nakano) Elliott, Manual of bacterial plant pathogens, p.133, 1930.

Phytomonas glycines (Nakano) Magrou in Haudurey et al., Dictionnaire des Bactéries pathogènes. p.358, 1937.

TUNG, see Aleurites

SUGAR-CANE (Saccharum officinarum L.) (see Stevenson & Rands, Hawaii Plant. Rec., xlii, pp.247-313, 1938)

Wilt.
marchitamiento (Sp.)

Cephalosporium sacchari Butler apud Butler & Hafiz Khan in Mem. Dep. Agric. India, Bot. Ser., vi, 6, p.185, 1913.
Padwick reports (see Rev. appl. Mycol., xviii, p.500, 1939) that cultures of this fungus were identified as Fusarium moniliforme var. subglutinans; see below.

Black Rot

podredumbre negra (Sp.)

Ceratostomella adiposa (Butler) Sartoris in J.agric. Res., xxxv, p.585, 1927.

Sphaeronaema adiposum Butl. in Mem. Dep. Agric. India, Bot. Ser., i, 3, p.40, 1906 (This was the perfect state).

Endoconidiophora adiposa (Butl.) Davidson in J.agric. Res., 1., p.802, 1935.

Pineapple Disease

ananasziekte (Dut. E. Ind.)

Ceratostomella paradoxa Dade, see Pineapple.

Brown Spot

Cercospora longipes Butler in Mem. Dep. Agric. India, Bot. Ser., i, 3, p.44, 1906.

Top Rot, Pokkah Boeng

(1) Gibberella fujikuroi (Saw.) Wollenw. in Z. Parasitenk., iii, p.514, 1931.

Lisea fujikuroi Saw. in Ber. naturhist. Ges. Formosa, xxxi, p.131, 1917.

G.moniliformis Wineland ("(Sheldon) Wineland") in J.agric. Res., xxviii, p.920, 1924, fide Wollenw., loc. cit., 1931.

Stat. Conid. Fusarium moniliforme Sheldon in Rep. Nebr. agric. Exp. Sta., 17, p.23, 1904.

F.moniliforme Sheldon var. erumpens Wollenw. & Reink. and var. majus Wollenw. & Reink. in Phytopathology, xv, p.163, 1925, fide Wollenw. & Reink., Die Fusarien, p.98, 1935.

(2) Gibberella fujikuroi (Saw.) Wollenw. var. subglutinans Edwards in Agric. Gaz. N.S.W., xliv, p.896, 1933; stat. conid. F.moniliforme Sheldon var. subglutinans Wollenw. & Reink. in Phytopathology, xv, p.163, 1925; see Wilt above.

Iliau

Gnomonia iliau Lyon in Bull. Hawaii. Sug. Plant. Ass. 11, p.28, 1912.

Stat. conid. Melanconium iliau Lyon, loc. cit.

Eye Spot

Helminthosporium sacchari Butler apud Butler & Hafiz Khan in Mem. Dep. Agric. India, Bot. Ser., vi, 6, p.207, 1913.

Cercospora sacchari Breda de Haan in Meded. Proefst. Kagok 3.... iii, p.15, 1892 was considered a probable synonym by Butler.

H.ocellum Faris in Phytopathology, xviii, p.757, 1928, fide McRae: see Rev. appl. Mycol. xiii, p.12, 1934.

Brown Stripe

Helminthosporium stenospilum Drechsl. in Phytopathology, xviii, p.136, 1918. A perfect state in cultures has been referred to Ophiobolus by Carpenter and to Cochliobolus by Matsumoto & Yamamoto, but both names appear to be nomina nuda.

Ring Spot

Leptosphaeria sacchari Breda de Haan in Meded. Proefst. "Kagok, 3, p.25, 1892

Marasmius Root Rot

Marasmius sacchari Wakker in Arch. Suikerind. Ned. -Ind., iii, p.577, 1895.

Red Rot

podredumbra roja (Sp.)

Physalospora tucumanensis Speg. in Rev. Fac. Agron., B.Aires, ii, p.228, 1896

Stat. conid. Colletotrichum falcatum Went in Arch. Suikerind. Ned. -Ind., i, p.271, 1893.

Rind Disease

Pleocyta sacchari (Massee) Petrak & Sydow in Fedde's Rep., xlii, p.455, 1927.

Melanconium sacchari Massee apud Speg. in Rev. Fac. Agron. La Plata ii, p.242, 1896.

Coniothyrium sacchari (Massee) Prill. & Delacr. in Bull. Soc. mycol. Fr., xiii, p.113, 1897.

Microsphaeropsis bakeri Syd. in Ann. mycol., Berl. xiv, p.369, 1916 fide Petrak & Sydow, loc. cit.

Haplosporella melanconioides Sacc. in Atti Accad. sci. ven. - trent. istr., x, p.73, 1917, fide Petrak & Sydow, loc. cit.

Strumella sacchari Cooke, 1890, and Trullula sacchari Ell. & Everh., 1892, are also listed as synonyms by Stevenson & Rands, Hawaii Plant., xlii, p.282, 1938.

Rust

Puccinia kuehnii (Krüger) Butler in Ann. mycol., Berl., xii, p.81, 1914.

Uromyces kuehnii Krüger in Mededd. Proefst. "Kagok" 1, p.117, 1899.

Uredo Kuehnii (Krüger) Walker and Mart, Ziekten Suiker en Java, p.144, 1898.

Pythium Root Rot

Pythium graminicola Subram. in Bull. agric. Res. Inst. Pusa, 177, p.5, 1928.

Several other species of Pythium have been found in Sugar cane; see Middleton, Mem. Torrey bot. Cl., xx, 1, 1943.

Downy Mildew, Leaf Stripe, or Leaf-splitting Disease

Sclerospora sacchari Miyake in Bull. Sug. Exp. Sta. Formosa, 1, p.32, 1931.

Red Rot of the Leaf sheath
polvillo rojo de la vaina (Sp.) rood rot (Dut.)

Sclerotium rolfsii Sacc., see Sweet Potato.

Smut
carbón, tizón (Sp.)

Ustilago scitaminea Syd. in Ann. mycol., Berl., xxii, p.261, 1924.
Mundkur describes var. sacchari-barberi Mundkur in Kew Bull. 1939, p.573, 1940, and var. sacchari officinarum Mundkur in ibid., p.577, 1940, both of which attack sugar cane.

Leaf Scald, Java Gum Disease
Gomziekte (Dut.)

Xanthomonas albilineans (Ashby) Dowson in Trans. Brit. mycol. Soc., xxvi, p.11, 1943.

Bacterium albilineans Ashby in Trop. Agriculture, Trin., vi, p.354, 1929.

Phytomonas albilineans (Ashby) Viegrou, Dict. Bactéries Pathogènes, Paris, p.326, 1937.

Red Stripe

pourchure rouge (Fr.); rode streepziekte (Dut.)

Xanthomonas rubrilineans (Lee, Purdy, Barrum, & Martin) Dowson in Trans. Brit. mycol. Soc., xxvi, p.12, 1943.

Phytomonas rubrilineans Lee et al., Red stripe disease studies, p.72, 1925.

Pseudomonas rubrilineans (Lee et al.) Stapp, Bergey's Manl. Pflanzenkrankh., 5 Aufl., ii, p.35, 1928.

Bacterium rubrilineans (Lee et al) Elliott, Manual of bacterial plant pathogens, p.195, 1930.

Gumming Disease, Gummosis, or Cobb's Disease

Cobbsche Krankheit (Ger.) gommose (Fr.)

Xanthomonas vasculorum (Cobb) Dowson in Zbl. Bakt. Abt. 2, c, p.196, 1939.

Bacillus vasculorum ("as vasculorum") Cobb in Agric. Gaz. N.S.W., iv, p.777, 1893.

Bacterium vasculorum (Cobb) Migula, System der Bacterien, ii, p.512, 1900.

Pseudomonas vasculorum (Cobb) Y.F. Sm. in Bull. U.S. Dep. Agric. 28, p.153, 1901.

Phytomonas vasculorum (Cobb) Bergey et al., Manual, Edn 1, p.179, 1923.

SWEET POTATO (Ipomoea batatas(L.) Lam.)

Black Rot

ЧЕРНАЯ ГНИЛЬ (Russ.)

Ceratostomella fimbriata (Ell. & Halst.) Elliott in Phytopathology, xiii, p.56, 1923.

Ophiostoma fimbriata Ell. & Halst. apud Halsted in Bull. N.J. agric. Exp. Sta. 76, p.14, 1890.

Ophiostoma fimbriatum (Ell. & Halst.) Sacc., Syll. Fung., x, p.215, 1892.

Ophiostoma fimbriatum (Ell. & Halst.) Hunt. apud Rolfs & Hunt. in Bermuda Agric. Exper. Stat., p.108, 1931.

Endoconidiophora fimbriata (Ell. & Halst., Davidson in J. agric. Res. 2, p.80, 1933.

Dry Rot

СУХАЯ ГНИЛЬ (Russ.)

Diaporthe phaseolorum (Cooke & Ell.) Sacc. var. batatatis (Harter & Field) Weymeyer, The Genus Diaporthe. ... p.48, 1933.

Diaporthe batatatis Harter & Field in Phytopathology, ii., p.124, 1912.

Stat. conid. Phomopsis batatae (Ell. & Halst.) Harter & Field apud Wehmeyer, The Genus Diaporthe....., p.49, 1933.

Phoma batatae Ell. & Halst. apud Halstead in Bull. N.J. agric. Exp. Sta. 76, p.25, 1890.

Java Black Rot

Diplodia tubericola (Ell. & Everh.) Taubenh. in Amer. J. Bot., ii, p.328, 1915.

Lasiodiplodia tubericola Ell. & Everh. apud Clendenin in Bot. Gaz., xxi, p.92, 1896.

Stem Rot and Wilt

1. Fusarium bulbigenum Cooke & Massee apud Cooke in Grevillea, xvi, p.49, 1887, var. batatas Wollenw. in Z.Parasitenk., iii, p.414, 1931. (Cited as "n.c." but evidently a nom. nov.)

F.batatatis Wollenw. in J.agric. Res., ii, p.268, 1914.

F.oxysporum Fr. f. batatas (Wollenw.) Snyder & Hansen in Amer. J. Bot., xxvii, p.66, 1940.

2. Fusarium oxysporum Fr. f. 2 Wollenw. in Z.Parasitenk., iii, p.418, 1931.

F.hyperoxysporum Wollenw. in J.agric. Res., ii, p.268, 1914, fide Wollenweber, loc. cit.

Charcoal Rot

Macrophomina phaseoli (Maubl.) Ashby, see Citrus.
(Syn. Rhizoctonia bataticola) (Taubenh.) Butler.

Scurf, Soil Stain

Monilochaetes infuscans Ell. & Halst. apud Halsted in Bull. N. J. agric. Exp. Sta. 76, p.27, 1890.

Texas Root Rot

Phymatotrichum omnivorum (Shear) Duggar, see Cotton.

Foot Rot

Plenodomus destruens Harter in Phytopathology, iii, p.245, 1913.

Soft Rot

podredumbre humeda (Sp.)

Rhizopus stolonifer (Fr.) Lind, Danish Fungi, p.72, 1913.

Mucor stolonifer Ehrenb. in Fr., Syst. mycol., iii, p.320, 1832.

R. nigricans Ehrenb. in Nova Acta Leop. Carol., p.198, 1820, fide Fries, loc. cit.

Lind (loc. cit.) gives other synonyms. More than one species of Rhizopus may be involved in Soft Rot.

Cotton Rot

Sclerotium rolfsii Sacc. in Ann. mycol., Berl., ix, p.257, 1911.

Curzi reports a perfect state, Corticium rolfsii Curzi in Boll. Staz. Pat. veg., Roma, N.S., xi, p.365, 1931.

Soil Rot or Pox

Actinomyces ipomoea Person & W.J. Martin in Phytopathology, xxx, p.923, 1940.

SWEETSOP, see Appendix.

SWORD BEAN, see Appendix.

TAMARIND, see Appendix.

TANNIER see Coco yam (Appendix).

TAPIOCA, see Cassava,

TARO, see Appendix.

TEA (Camellia sinensis (L.) Kuntze, syn. Thea sinensis L.)

Root-splitting Disease
splijtkanker schimmel (Dut.)

Armillaria mellea (Fr.) Quél., see Citrus.

Botryodiplodia Root Disease

Botryodiplodia theobromae Pat., see Cacao.

Bird's eye Spot

(1) Cercosporina theae Breda de Haan in Bull. Inst. bot. Buitenz. 6, p.13, 1900.

(2) Cercosporella theae Petch in Ann. R. bot. Gdns Peradeniya, vi, p.246, 1917.

Brown Blight

Colletotrichum camelliae Massee in Kew Bull., 1899, p.91, 1899.

Considered by Shear & Wood, Bull. U.S. Dep. Agric. 252, p.35, 1913, to be a state of Pionnotella circinata : see Barona; and see Gulgardia camelliae , below.

Pink Disease

djamoer oepas (Dut.); maladie rose (Fr.)

Corticium salmonicolor, Berk. & Br., see Coffee.

Japanese Exobasidium Blight

Exobasidium reticulatum Ito & Sawada in Bot. Mag., Tokyo, xxvi, p.241, 1912.

Blister Blight

Exobasidium vexans Massee in Kew Bull., 1898, p.111, 1898.

Brown Root Disease

bruine wortelschimmel (Dut.); pourriture rouge des racines (Fr.)

Fomes noxius Corner, see Cacao.

Red Root Rot

rode wortelschimmel (Dut.); pourriture rouge des racines (Fr.)

Ganoderma pseudoferreum (Wakef.) van Overeem & Steinm., see Rubber.

Copper Blight

Guignardia camelliae (Cooke) Butler ex Petch, The Diseases of the tea bush, p.34, 1925.

Phomopsis camelliae Cooke (as "camelleae) in Grevillea, xiii, p.-, 1884.

Laestadia camelliae (Cooke) Berl. & Vogl., Additamenta Syll. Fung., p.62, 1886.

Laestadia theae Maubl., Parasitische Algen und Pilze Javas, 1, p.16. 1900, fide Petch, op. cit., p.192.

Guignardia theae (Racib.) Bernard in Bull. Dep. Agric. Ind. néerl., vi, 1907 [not seen]

Petch, loc. cit., considered Colletotrichum camelliae (see above) as probably the conidial state.

Horsehair Blight
paardehaarschimmel (Dut.)

Marasmius equicrinis (as 'crinis-equi') Mueller apud Kalchbr. in Grevillea, viii, p. 153, 1880. (For the time being we are retaining the epithet equicrinis; but see Seaver, Mycologia, xxxvi, p.340, 1944.)

Thread Blight
spinnewebsschimmel (Dut.)

Marasmius pulcher (Berk. & Br.) Petch in Ann. R. bot. Gdns Peradeniya, ix p.21, 1924.

Cyphella pulchra Berk. & Br. in J. Linn. Soc. Lond., xiv, p.74, 1875.

Grey Blight

Pestalotia theae Saw. apud Tanaka (as 'Pestalozzia') in Mycologia, ix, p.171, 1917.

Red Root Disease

Roode wortelschimmel (Dut.) ; pourriture rouge des racines (Fr.)

Poria hypolateritia Berk. apud Cooke in Grevillea, xv, p.24, 1886.

Rosellinia Root Disease
Zwarte wortelschimmel (Dut.)

(1) Rosellinia arcuata Petch in Ann. R. bot. Gdns Peradeniya, vi, p.175., 1916

(2) R. bunodes (Berk. & Br.) Sacc., see Cacao.

Sphaerostilbe Root Disease

Sphaerostilbe repens Berk. & Br., see Rubber.

Algal Disease (Red "Rust")

Cephaleuros mycoidea G. Karst. in Ann. Jard. bot. Buitenz., x, p.25, 1891.

Based on Mycoidea parasitica D.D. Cunn. in Trans. Linn. Soc. Lond., Bot. Ser. 2, i, p.312, 1879.

C. parasiticus G. Karst. in op. cit., p.32, 1891, is by some considered a synonym, by others a distinct species.

TEAK, see Appendix.

TOBACCO (Nicotiana tabacum L. and N. rustica L.)

Brown Spot ("Red Rust")
Roode roest (bladvlekkenziekte) (Dut.)

Alternaria longipes (Ell. & Everh.) Mason in Annotated Account of Fungi rec'd at the I.B.M., List II, Fasc. i, p.19, 1928.

Macrosporium longipes Ell. & Everh. in J. Mycol., vii, p.134, 1892.

Frog-eye Leaf Spot
spikkelziekte (Dut.); maladie des taches (Fr.)

Cercospora nicotianae Ell. & Everh. in Proc. Acad. nat. Sci. Philad., 1893, p.170.

Cercospora raciborskii Sacc. & Syd. in Sacc., Syll. Fung., xvi, p.1070, 1902, fide Wolf, Tobacco Diseases and Decays, p.330, 1935.

Argentine Downy Mildew

Peronospora nicotianae Speg. in Rev. argent. Hist. nat., 1, p.28, 1891.

Downy Mildew (Blue Mould)
Moisissure bleue (Fr.)

Peronospora tabacina Adam in J. Dep. Agric. Viet., xxxi, p.416, 1933. (Formerly referred to P. hyoscyami de Bary)

Black Shank
schimmelziekte, lanas (Dut.); bibitizekte (Dut. E. Ind.); Peronospora del tabacco (It.)

Phytophthora parasitica Dastur var. nicotianae (Breda de Haan) Tucker in Res. Bull. Mo. agric. Exp. Sta. 153, p.173, 1931.

P. nicotianae Breda de Haan in Meded. PlTuin. Batavia, 15, p.41, 189

P. tabaci Sav. in Rep. agric. Res. Inst. Formosa 27, p.35, 1927 (in Japanese), fide Tucker, loc. cit.

(Since the "variety" is based only on its parasitism, it should perhaps be reduced to a form or race.)

Black Root Rot

Thielaviopsis basicola (Berk. & Br.) Ferraris, Flora italica cryptogama, i, Fasc. 6, p.233, 1912.

p 451 1859

Torula basicola Berk. & Br. in Ann. Mag. nat. Hist., Ser.2, v, p.451, 1859

Angular Leaf Spot

Pseudomonas angulata (Fromme & Murray) Stapp, Sorauer's Handb. Pflanzenkrankh 5 Aufl., ii, p.271, 1928.

Bacterium angulatum Fromme & Murray in J.agric. Res., xvi, p.226, 1919.

Phytomonas angulata (Fromme & Murray) Bergey et al., Manual, Edn. 3 p.243, 1930.

Wildfire.
maladie du feu sauvage (Fr.); quemazón (Sp.)

Pseudomonas tabacum (Wolf & Foster) Stapp (as "tabaci") Sorauer's Handb. Pflanzenkrankh., 5 Aufl., ii, p.268, 1928.

Bacterium tabacum Wolf & Foster in J.agric. Res., xii, p.454, 1918.

Phytomonas tabacum (Wolf & Foster) Bergey et al. (as "tabacae"), Manual, Edn. 1, p.183, 1923.

Granville Wilt (Slime Disease)

slijmziekte (Dut.)

Xanthomonas solanacearum (E.F.Sm.) Dowson, see Banana.

Bacterium nicotianae Uyeda in Zbl. Bakt., Abt. 2, xiii, p.327, 1904, fide Elliott, Bacterial Plant Pathogens, p.203, 1930.

Erwinia nicotianae (Uyeda) Bergey et al., Manual, Edn. 1, p.172, 1928.

TUNG, see Appendix.

VANILLA, see Appendix.

YAM, see Appendix.

YAUTIA, see Cocoyam (Appendix)

APPENDIX.

Various fungi are reported on the following hosts but, apart from the few mentioned, the more serious parasites appear to be unascertained or are listed on one or more hosts above.

ANNATTO (ARNATTO), (Bixa orellana L.)

ARROWROOT (West Indian Arrowroot), Maranta arundinacea L.

BAMBOO, (BAMBUSAE) Numerous parasites including the smut Ustilago shiriana P. Henn. in Engler's Jahrb., xxviii, p. 260, 1900.

BENGAL BEANS, (Mucuna aterrima) (Piper & Tracy) Holland [syn. Stizolobium aterrimum Piper & Tracy]. The name Mucuna has been conserved against Stizolobium by action of an International Botanical Congress.

BLACK GRAM, (Phaseolus mungo L.)

BREAD FRUIT, (Artocarpus communis Forst., syn. A. incisus L. f.)

CAMPHOR, (Cinnamomum camphora, Nees.)

CASHEW NUT, (Anacardium occidentale L.)

CINCHONA, (Cinchona spp.)

CINNAMON, (Cinnamomum zeylanicum Breyn)

CLOVE, (Eugenia aromatica (L.) Baill.)

COCOYAM (Yautia, Pannier, Malanga), (Xanthosoma sagittifolium (L.) Schott)

CUSTARD APPLE, (Annona reticulata L.)

ELEPHANT GRASS (Napier Fodder), (Pennisetum purpureum Schum.)

GRANADILLA, (Passiflora quadrangularis L.)

GUINEA GRASS, (Passiflora quadrangularis, L.)

GUINEA GRASS, (Panicum maximum Jacq.)

HYACINTH BEAN, (Dolichos lablab L.)

JUTE, (Corchorus olitorius L.)

MANGOSTEEN, (Garcinia mangostana L.)

NUTMEG, (Myristica fragrans Houtt.)
A few parasites, including Coryneum myristicae Steinm., in Arch. Koffiecult. Ned. - Ind., iv, p.60, 1930.

OIL PALM, (Elaeis guineensis Jacq.)

PALMYRA PALM, (Borassus flabellifer L.)

PASSION FRUIT, (Passiflora edulis Sims.)

PEPPER (Black pepper), (Piper nigrum L.) Phytophthora palmivora (Butler) Butler var. piperis Muller in Meded. Inst. PlZiekt., Batavia 38, p. , 1936.

PERSIMMON, (Diospyros kaki L.f.)
Several parasites including Cercospora kaki Ell. & Everh. in J.Mycol., iii, p.17, 1887.

PIMENTO (Allspice), (Pimenta officinalis Lindl.)
In Jamaica pimento is attacked by a rust, Puccinia psidii Wint. in Hedwigia, xxiii, p.171, 1884.

PLANTAIN, (Musa paradisiaca L., see Banana.)

POMEGRANATE, (Punica granatum L.)
Several parasites, including Cercospora punicae P.Henn. in Engler's Jahrb., xxxvii, p.165, 1905.

RAMBUTAN, (Nephelium lappaceum L.)

SOURSOP, (Annona muricata L.)

SWEETSOP, (Annona squamosa L.)

SWORD BEAN, (Canavalia ensiformis DC.)
(Elsinoe canavalliae(printed as "cavavalliae") Racib., Parasitische Algen und Pilze Javas, i, p.14, 1900.

TAMARIND, (Tamarindus indica L.)

TARO (Cocoes) (Colocasia antiqurum Schott.)
Phytophthora colocasiae Racib., Parasitische Algen und Pilze Javas, i, p.9, 1900.

TEAK, (Tectona grandis L.f.)

VANILLA, (Vanilla planifolia Andr.)

YAM.(Dioscorea spp.)

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